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#### **Anti-neutrophil cytoplasm antibody**

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**Assay principle**

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**Benzyl penicilloyl hapten-poly-L-lysine conjugate**

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**CD8 T lymphocyte**

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Enzyme immunoassay, homogeneous; Drug monitoring (Engel, W.D. (150) 99)

**CELISA**

ELISA; cell-ELISA; Cell surface; spot-ELISA; ELISPOT; Proliferation; Enzyme immunoassay; Cytokine; Antibody-secreting cell (Sedgwick, J.D. (150) 159)

ELISA; Cell binding reagents; Cell fixation; Cell surface determinants (Walker, K.W. (154) 121)

**Cell adherence**

Colorimetric microtiter assay; Cytotoxin; Monocyte, human; Methylene blue (Keisari, Y. (146) 155)

ICAM-1; LFA-1; Cell separation; Fusion protein; Immunomagnetic bead (Hedman, H. (146) 203)

**Cell binding reagents**

CELISA; ELISA; Cell fixation; Cell surface determinants (Walker, K.W. (154) 121)

**Cell culture**

Pregnancy; Immunology; Placenta; Mononuclear cell (Rashed, F.N. (146) 185)

DNA determination; Fluorescence (Goppelt-Struebe, M. (151) 245)

**Cell culture medium**

Monoclonal antibody; Partitioning; Two-phase system; Thiophilic adsorption (Sulk, B. (149) 165)

**Cell fixation**

Monoclonal antibody; Immunoreactive fraction; Cytoplasmic antigen (Haisma, H.J. (154) 55)

CELISA; ELISA; Cell binding reagents; Cell surface determinants (Walker, K.W. (154) 121)

**Cell growth**

Immunomagnetic; Cell separation; Dynabeads; Differentiation; SSEA-1; Flow cytometry (Swann, I.D. (152) 245)

**Cell line**

ELISA, micro-; Fluorescein-di- $\beta$ -D-galactopyranoside; Astroskan 2100 automated plate reader; Monoclonal antibody, mouse anti-HLA (Sadler, A.M. (149) 11)

Mycoplasma; Leukemia; Detection (Uphoff, C.C. (149) 43)

Mycoplasma; Leukemia; Elimination (Uphoff, C.C. (149) 55)

Hybridoma, human; Selection method (Hundhausen, T. (153) 21)

**Cell-mediated cytotoxicity**

Colorimetric assay; Kinetics; Peptide antigen; Major histocompatibility complex antigen; Maternally transmitted antigen; Homoscedasticity (Rodgers, J.R. (152) 159)

**Cell separation**

Cell adherence; ICAM-1; LFA-1; Fusion protein; Immunomagnetic bead (Hedman, H. (146) 203)

Colorectal tumor cell; Tumor infiltrating leukocyte; Monoclonal antibody HEA125; Epithelium specific; Immunomagnetic bead (Kemmner, W. (147) 197)

Immunomagnetic; Dynabeads; Differentiation; Cell growth; SSEA-1; Flow cytometry (Swann, I.D. (152) 245)

Magnetic separation, high gradient; Ferrofluid (Thomas, T.E. (154) 245)

**Cell sorting**

Colorectal tumor; Tumor infiltrating lymphocyte (Durrant, L.G. (147) 57)

**Cell surface**

ELISA; CELISA; cell-ELISA; spot-ELISA; ELISPOT; Proliferation; Enzyme immunoassay; Cytokine; Antibody-secreting cell (Sedgwick, J.D. (150) 159)

**Cell surface antigen**

Binding constant; Binding site; Flow cytometry; Monoclonal antibody, fluorescent; Gene dosage; Gene expression; Lectin; Non-linear regression; Parameter estimation (Bardsley, W.G. (153) 235)

**Cell surface determinants**

CELISA; ELISA; Cell binding reagents; Cell fixation (Walker, K.W. (154) 121)

**Cell tracking dye**

PKH-2; Multiparameter flow cytometry (Festin, R. (154) 47)

**Cellular cytotoxicity assay**

Colorimetric; Melanoma; Natural killer cell; Tetrazolium; XTT (Jost, L.M. (147) 153)

**Cell wall mannan**

ELISA; Specific IgG; *Candida albicans*; Primary antibody deficiency (Faux, J.A. (153) 167)

**Central nervous system infections**

Interleukin-2; ELISA; Cerebrospinal fluid; Intrathecal synthesis (Sharief, M.K. (147) 51)

**Centrifugal elutriation**

Dendritic cell; Antigen presenting cell; Mixed lymphocyte reaction; (Spleen); (Mouse) (Ossevoort, M.A. (155) 101)

**Cerebrospinal fluid**

Interleukin-2; ELISA; Central nervous system infections; Intrathecal synthesis (Sharief, M.K. (147) 51)

**Chaotropic ion**

*Escherichia coli* antigen; Western blot; Antibody elution; Cross-reaction (Hammerl, P. (151) 299)

**Chelating agent**

Magnetizable carrier; Immunoassay; (Löster, K. (148) 41)

**Chemiluminescence**

Immunoassay; Dot-blot assay; Chromogranin A; Brain protein (Heinicke, E. (152) 227)

NADPH oxidase; Chronic granulomatous disease (Porter, C.D. (155) 151)

**Chemotaxis**

Granulocyte; Image analysis (Azzarà, A. (148) 29)

Polymorphonuclear leukocyte; Boyden chamber; Separation method; Adhesion; Whole blood (Rice, J.E. (149) 121)

**Chimeric antibody**

Expression vector; Polymerase chain reaction; Immunoglobulin expression (Coloma, M.J. (152) 89)

**Chimeric protein A/protein G**

Chimeric protein G/alkaline phosphatase; pGEX; Reporter molecule (Sun, S. (152) 43)

**Chimeric protein G/alkaline phosphatase**

Chimeric protein A/protein G; pGEX; Reporter molecule (Sun, S. (152) 43)

**Chloroquine**

Phagocytosis (quantitative study of); Yeast;  $\alpha$ -Mannan; Cytochalasin B (Giannis, J. (154) 185)

**Chromatography, affinity**

Protein A leakage; Monoclonal antibody, murine; Antibody, chicken; ELISA (Godfrey, M.A.J. (149) 21)

**Chromatography, high performance electrophoresis**

Major histocompatibility complex class II chain; Preparative electroelution; Peptide binding (Passmore, D. (155) 193)

**Chromatography, high performance liquid**

Monoclonal antibody preparation; Loss of antibody activity; Autoantigen blockage; Restoring antibody activity (Ma, J. (155) 121)

**<sup>51</sup>Chromium**

Long term cytotoxic assay; Prelabeling; Methionine, [<sup>35</sup>S]- (Katz, A. (149) 255)

**Chromogranin A**

Immunoassay; Chemiluminescence; Dot-blot assay; Brain protein (Heinicke, E. (152) 227)

**Chronic granulomatous disease**

NADPH oxidase; Chemiluminescence (Porter, C.D. (155) 151)

**Chronic infection**

Hepatitis B virus; Hepatitis B surface antigen; Hepatitis B e antigen (Maruyama, T. (155) 65)

**Circle assay**

Hybridoma screening; ELISA, cellular; Immunocytochemistry (Balogh, P. (153) 141)

**Circular antigen-antibody complex**

Biosynthetic human growth hormone; Titration; Competitive; Cooperativity; Monoclonal antibody (Fernando, S.A. (151) 27)

**Circulating anodic antigen**

Magnetic bead; Microsphere; Antigen detection; ELISA; *Schistosoma*; Tropical medicine; Epidemiology; Monoclonal antibody; Microtiter (Gundersen, S.G. (148) 1)

**Class and subclass switch**

ELISA spot assay; Monoclonal antibody (Spira, G. (148) 121)

**Class I major histocompatibility complex antigen**

Ovalbumin; Cationic liposome; Polylysine; Phorbol ester (Nair, S. (152) 237)

**Cleavable label**

Biotin; Electroblood (Hobart, M.J. (153) 93)

**Cocktail conjugate**

ELISA, one-step; IIbIIIa; Epitope mapping (Rowland, A.M. (151) 87)

**Cofactor-labeled**

Enzyme immunoassay; Enzyme-multiplied immunoassay technique; Substrate-labeled fluorescence immunoassay; Apoen-

zyme reactivation immunoassay; Inhibitor-labeled (Jenkins, S.H. (150) 91)

**Colloidal gold agglutination**

Monoclonal antibody; Hemoglobin; Fecal blood (Nagata, M. (153) 185)

**Colorectal tumor**

Tumor infiltrating lymphocyte; Cell sorting (Durrant, L.G. (147) 57)

**Colorectal tumor cell**

Cell separation; Tumor infiltrating leukocyte; Monoclonal antibody HEA125; Epithelium specific; Immunomagnetic bead (Kemmer, W. (147) 197)

**Colorimetric**

Cellular cytotoxicity assay; Melanoma; Natural killer cell; Tetrazolium; XTT (Jost, L.M. (147) 153)

**Colorimetric assay**

Cell-mediated cytotoxicity; Kinetics; Peptide antigen; Major histocompatibility complex antigen; Maternally transmitted antigen; Homoscedasticity (Rodgers, J.R. (152) 159)

**Colorimetric microtiter assay**

Cytotoxin; Monocyte, human; Cell adherence; Methylene blue (Keisari, Y. (146) 155)

**Competitive**

Biosynthetic human growth hormone; Titration; Cooperativity; Monoclonal antibody; Circular antigen-antibody complex (Fernando, S.A. (151) 27)

**Competitive inhibition**

Spacer; Hapten; ELISA; Conjugate (Kachab, E.H. (147) 33)

**Complement**

Europium; Cytotoxicity; Antibody; Cytolysis; Melanoma (Cui, J. (147) 13)

Complement receptor; Monoclonal antibody (Henwick, S. (153) 173)

Natural antibody; Cytotoxicity assay; Glycosphingolipid; (Rabbit) (Yong Park, S. (154) 109)

Enzyme immunoassay; IgM antibody, rabbit; Sensitivity (Kuhn, H.-M. (155) 201)

**Complement activation**

Bronchoalveolar lavage fluid; Bronchial asthma; Sarcoidosis; *Pneumocystis carinii* pneumonitis; Complement C3, C3a (Van de Graaf, E.A. (147) 241)

C5a des Arg; ELISA; Monoclonal antibody (Bergh, K. (152) 79)

**Complement C3, C3a**

Complement activation; Bronchoalveolar lavage fluid; Bronchial asthma; Sarcoidosis; *Pneumocystis carinii* pneumonia (Van de Graaf, E.A. (147) 241)

**Complement receptor**

Complement; Monoclonal antibody (Henwick, S. (153) 173)

**Complete Freund's adjuvant**

Immunoadjuvant; TiterMax; Antibody titer (Bennett, B. (153) 31)

**Computer-assisted image analysis system**

Anti-sperm cell-mediated immunity; Infertility; Leukocyte migration inhibition factor assay (Dimitrov, D.G. (154) 147)

**Computer program**

Microplate; Immunomodulation test; Planning and evaluation (Siman, P. (146) 1)

**Conformation**

proIL-1 $\beta$ ; Immunodetection; Epitope; ELISA (Herzyk, D.J. (148) 243)

**Conglutinin**

Immune complex; Anti-collagen antibody; Systemic lupus erythematosus (Holmskov, U. (148) 225)

**Conjugate**

Spacer; Hapten; Competitive inhibition; ELISA (Kachab, E.H. (147) 33)

Dual laser flow cytometry; K562; Binding; CD8<sup>dim</sup>; CD8<sup>bright</sup> (Vitale, M. (149) 189)

**Conjugate frequency**

Effector-target interaction; Saturability; Affinity; Natural killer cell (Garcia-Peñarrubia, P. (155) 133)

**Conjugates-substrate reaction**

Assay principle; Bound-free separation; Marker enzyme; Assay parameter (Porstmann, T. (150) 5)

**Conjugation method**

Synthetic peptide; Simultaneous synthesis; Antipeptide antibody (Maeji, N.J. (146) 83)

**Convection**

Heterogeneous immunoassay; Microplate; Washing; Diffusion (Beumer, T. (154) 77)

**Cooperativity**

Biosynthetic human growth hormone; Titration; Competitive; Monoclonal antibody; Circular antigen-antibody complex (Fernando, S.A. (151) 27)

**Coupling**

Targeting; Monoclonal antibody; Alkaline phosphatase; Macrophage; Horseradish peroxidase; Enzyme conjugate; (Mice) (Van Rooijen, N. (151) 149)

Helper T cell epitope; Fragment condensation; Multiple antigenic peptide; Vaccine (McLean, G.W. (155) 113)

**Creatinine kinase**

Freund's adjuvant; Ribl adjuvant; [L-Tyr,L-Glu,DL-Ala]-Poly-L-lysine; Immune response; Antibody affinity; Adjuvant side effects; Granuloma; (Rabbit) (Deeb, B.J. (152) 105)

**Cross-reaction**

*Escherichia coli* antigen; Western blot; Antibody elution; Chaotropic ion (Hammerl, P. (151) 299)

**Cross-reactivity**

Sandwich immunoassay; Testosterone dimer; Heterology; Testosterone-3-(*O*-carboxymethyl)oxime; 4-(Carboxymethylmercapto) testosterone; Testosterone-17-hemisuccinate; 5 $\alpha$ -Dihydrotestosterone (Sengupta, J. (147) 181)

Enzyme immunoassay; Artifact; Limitation; Interference; Homogeneous; Surface effect (Pesce, A.J. (150) 111)

B cell; ELISPOT; Polyspecific; (Chamber); (Antigen) (Klinman, D.M. (152) 217)

**Cryopreservation**

Lymphocyte subsets; Flow cytometry; Ficoll-Paque (Romeu, M.A. (154) 7)

Cytotoxic T lymphocyte; Human autologous tumor; Lymphocyte (Wada, Y. (154) 235)

***Cryptococcus neoformans***

Monoclonal antibody, mouse; Immunoglobulin, mouse; ELISA; Polysaccharide, cryptococcal (Casadevall, A. (154) 27)

**Culture supernatant**

Ultrafiltration; Monoclonal antibody (Saha, K. (151) 307)

**Cyclic adenosine 3',5'-monophosphate**

ELISA; Plated anti-immunoglobulin; ELISA, competitive (Linden, J. (151) 209)

**Cymantrene**

Non-radioisotopic immunoassay; Metal carbonyl tracer; Fourier transform infrared spectroscopy; Phenobarbital (Salmain, M. (148) 65)

**Cystatin superfamily**

Kininogen; Proteinase inhibitor; Anti-peptide antibody (Lalmanach, G. (149) 197)

**Cysteine proteinase inhibitor**

Cathepsin-kininogen complex; Cathepsin; Kininogen; ELISA; Acute phase condition (Takeda, A. (147) 217)

**Cytochalasin B**

Phagocytosis (quantitative study of); Yeast;  $\alpha$ -Mannan; Chloroquine (Giaimis, J. (154) 185)

**Cytochrome c**

ELISA; Antibody specificity; Protein adsorption to plastic; Protein denaturation (Schwab, C. (147) 125)

**Cytokine**

Dissociation-enhanced lanthanide fluoroimmunoassay; Time-resolved fluoroimmunoassay; Tumor necrosis factor  $\alpha$ ; Interleukin-6 (Ogata, A. (148) 15)

Polymerase chain reaction; Interleukin-3 receptor, murine (Fung, M.-C. (149) 97)

ELISA; CELISA; cell-ELISA; Cell surface; spot-ELISA; ELISPOT; Proliferation; Enzyme immunoassay; Antibody-secreting cell (Sedgwick, J.D. (150) 159)

Polymerase chain reaction; Gene; Quantitation (Carding, S.R. (151) 277)

Two color immunofluorescence flow cytometry; Monocyte (De Caestecker, M.P. (154) 11)

Late phase allergic reaction; Nasal mucosa; Filter strip (Alam, R. (155) 25)

**Cytolysis**

Europium; Complement; Cytotoxicity; Antibody; Melanoma (Cui, J. (147) 13)

**Cytolytic T lymphocyte**

Electroporation; Protein kinase C; Calcium (Langlet, C. (151) 107)

**Cytoplasmic**

Immunocytochemistry; Islet cell; (Antibody) (Marshall, M.O. (149) 63)

**Cytoplasmic antigen**

Monoclonal antibody; Cell fixation; Immunoreactive fraction (Haisma, H.J. (154) 55)

**Cytotoxic assay**

Fluorimetric analysis; Carboxyfluorescein diacetate (Provinciali, M. (155) 19)

**Cytotoxicity**

Europium; Complement; Antibody; Cytolysis; Melanoma (Cui, J. (147) 13)

**Cytotoxicity assay**

Natural killer cell assay; Calculation of lytic units (Bryant, J. (146) 91)

Natural antibody; Complement; Glycosphingolipid; (Rabbit) (Yong Park, S. (154) 109)

**Cytotoxic T lymphocyte**

Enzyme release assay; DNA transfection;  $\beta$ -Galactosidase (Ohmori, H. (147) 119)

Influenza A virus; Synthetic peptide; Immunization (Zhou, X. (153) 193)

Transfection; Vaccinia virus; Antigen presentation; T7 RNA polymerase (Eisenlohr, L.C. (154) 131)

Human autologous tumor; Cryopreservation; Lymphocyte (Wada, Y. (154) 235)

Immune response; Helper epitope; Synthetic peptide; Malaria (Widmann, C. (155) 95)

**Cytotoxin**

Colorimetric microtiter assay; Monocyte, human; Cell adherence; Methylene blue (Keisari, Y. (146) 155)

# D

**Data analysis**

Statistical method; Lymphoproliferation assay; Responder (Bennett, S. (146) 229)

**Defined medium**

Monocyte; Monokine; Differentiation; Surface antigen (Bennett, S. (153) 201)

**DELFA**

Europium; Streptavidin; Time-resolved fluorometry; Fluoroimmunoassay; Follicle stimulating hormone; Thyroid stimulating hormone (Suonpää, M. (149) 247)

**Denaturation**

Solid phase; ELISA; Capture antibody; Adsorption; Poly (Butler, J.E. (150) 77)

**Dendritic cell**

Isolation procedure; Nylon wool column; Magnetic bead; Sephadex G-10; Antigen presentation; T cell (Havenith, C.E.G. (153) 73)

Bone marrow differentiation; Granulocyte-macrophage colony-stimulating factor; Immunomagnetic bead selection (Scheicher, C. (154) 253)

Centrifugal elutriation; Antigen presenting cell; Mixed lymphocyte reaction; (Spleen); (Mouse) (Ossevoort, M.A. (155) 101)

#### **Densitometer**

Microchemotaxis chamber; Polymorphonuclear leukocyte; Quantification (Misso, N.L.A. (149) 183)

#### **Detachment**

CD19<sup>+</sup> B cell, human; Biomagnetic separation (Rasmussen, A.-M. (146) 195)

#### **Detection**

Mycoplasma; Cell line; Leukemia (Uphoff, C.C. (149) 43)

#### **Detergent extracts**

ELISA; Human blood group A; Octyl- $\beta$ -D-glucopyranoside; Freeze-thaw effects (Chapman, V. (149) 147)

#### **Dextran carrier**

ELISA; Monoclonal antibody; *s*-Triazine quantification (Böcher, M. (151) 1)

#### **Diagnostics**

Tropical disease; Immunodiagnostic kits (Talwar, G.P. (150) 121)

#### **4,6-Diamidine-2-phenylindol-dihydrochloride**

Proliferation assay; LAK cell; DNA staining; Fluorochrome; Propidium iodide; Acridine orange; Hoechst H33342 (Vollenweider, I. (149) 133)

#### **2,7-Diaminofluorene**

Macrophage; Erythrocyte; Phagocytosis; Antibody-dependent cell-mediated cytotoxicity (Gebran, S.J. (151) 255)

#### ***Dichelobacter nodosus***

ELISA quality control; Precision; Antibody capture ELISA (Whittington, R.J. (148) 57)

#### **Differentiation**

Immunomagnetic; Cell separation; Dynabeads; Cell growth; SSEA-1; Flow cytometry (Swann, I.D. (152) 245)

Defined medium; Monocyte; Monokine; Surface antigen (Bennett, S. (153) 201)

#### **Diffusion**

Heterogeneous immunoassay; Microplate; Washing; Convection (Beumer, T. (154) 77)

Antibody affinity; Binding constant; Screening; Photobleaching; Antigen expression (Kaufman, E.N. (155) 1)

Acoustic microstreaming; Insonation; ELISA; Probe-based assay; Incubation; Automation (Boraker, D.K. (155) 91)

#### **5 $\alpha$ -Dihydrotestosterone**

Sandwich immunoassay; Testosterone dimer; Heterology; Testosterone-3-(*O*-carboxymethyl)oxime; 4-(Carboxymethyl-mercapto) testosterone; Testosterone-17-hemisuccinate; Cross-reactivity (Sengupta, J. (147) 181)

#### **2,4-Dinitrophenol**

ELISA, competitive; Anti-2,4-dinitrophenol; Alkaline phosphatase; 3,6-Fluorescein diphosphate; *p*-Nitrophenyl phosphate (Huang, Z. (149) 261)

#### **Dinitrophenyl**

Immunoperoxidase; Dinitrophenyl-hapten procedure; Dinitrophenyl localization system; Immunolocalization; Immunoassay (Jasani, B. (150) 193)

#### **Dinitrophenyl-hapten procedure**

Dinitrophenyl; Immunoperoxidase; Dinitrophenyl localization system; Immunolocalization; Immunoassay (Jasani, B. (150) 193)

#### **Dinitrophenyl localization system**

Dinitrophenyl; Immunoperoxidase; Dinitrophenyl-hapten procedure; Immunolocalization; Immunoassay (Jasani, B. (150) 193)

#### **Diphtheria toxoid**

Hemolytic plaque-forming cell assay; Polysaccharide; Tetanus toxoid; IgG; Affinity; Avidity (Barington, T. (146) 129)

#### **Direct enzyme immunoassay**

Testosterone (Dhar, T.K. (147) 167)

#### **Dissociation-enhanced lanthanide fluoroimmunoassay**

Time-resolved fluoroimmunoassay; Tumor necrosis factor  $\alpha$ ; Interleukin-6; Cytokine (Ogata, A. (148) 15)

#### **cDNA**

Immunoglobulin; Gene; Polymerase chain reaction; Specificity repertoires; Allergy (Walker, M.R. (149) 77)

#### **DNA determination**

Fluorescence; Cell culture (Goppelt-Struebe, M. (151) 245)

#### **DNA enzyme immunoassay**

Polymerase chain reaction; T cell receptor (Bettinardi, A. (146) 71)

#### **DNA fragmentation**

Flow cytometry; Thymocyte apoptosis; Lymphocyte irradiation (Ojeda, F. (152) 171)

#### **DNase I**

Inhibitor; Enzyme assay; Immunoassay; Serum assay; Endogenous DNase (Gibson, U.E.M. (155) 249)

**DNA staining**

Proliferation assay; LAK cell; Fluorochrome; Propidium iodide; 4,6-Diamidine-2-phenylindol-dihydrochloride; Acridine orange; Hoechst H33342 (Vollenweider, I. (149) 133)

**DNA transfection**

Cytotoxic T lymphocyte; Enzyme release assay;  $\beta$ -Galactosidase (Ohmori, H. (147) 119)

**Dose-response curve**

IgG; IgG subclass; Monoclonal antibody; Immunoassay (Hvatum, M. (148) 77)

**Dot-blot assay**

Immunoassay; Chemiluminescence; Chromogranin A; Brain protein (Heinicke, E. (152) 227)

**Dried blood spot**

HIV-1; Western blot; Seroprevalence (Granade, T.C. (154) 225)

**Drug monitoring**

CEDIA assay; Enzyme immunoassay, homogeneous (Engel, W.D. (150) 99)

**Dual fluorescence flow cytometry**

B cell malignancy; Lymphocyte subsets; Surface immunoglobulin (Reynolds, W.M. (151) 123)

**Dual laser flow cytometry**

K562; Conjugate; Binding; CD8<sup>dim</sup>; CD8<sup>bright</sup> (Vitale, M. (149) 189)

**Dynabeads**

Immunomagnetic; Microbeads; CD45RO; UCHL1; Magnetic cell sorter (Manyonda, I.T. (149) 1)

Immunomagnetic; Cell separation; Differentiation; Cell growth; SSEA-1; Flow cytometry (Swann, I.D. (152) 245)

# E

**Effector-target interaction**

Conjugate frequency; Saturability; Affinity; Natural killer cell (Garcia-Peñarrubia, P. (155) 133)

**Egg-yolk antibody**

IgY; Immunized hen; Antibody purification; Affinity chromatography; Transferrin; Nephelometry (Ntakarutimana, V. (153) 133)

***Eimeria tenella***

Immunocytochemical staining; Antibody-containing cell; In situ detection; (Chicken) (Vervelde, L. (151) 191)

IgA; Monoclonal antibody; Parasite (Hoare, J.A. (153) 161)

**Electroblot**

Biotin; Cleavable label (Hobart, M.J. (153) 93)

**Electroporation**

Cytolytic T lymphocyte; Protein kinase C; Calcium (Langlet, C. (151) 107)

Lucifer Yellow; Lymphocyte; Organic anion transport; Probenecid (Dinchuk, J.E. (155) 257)

**Elimination**

Mycoplasma; Cell line; Leukemia (Uphoff, C.C. (149) 55)

**ELISA**

STa antibody immunoassay; STa enterotoxin; Avidin-biotin interaction (Germani, Y. (146) 25)

Isotype variant; Neuroblastoma, anti-human (D'Uscio, C. (146) 63)

Spacer; Hapten; Competitive inhibition; Conjugate (Kachab, E.H. (147) 33)

Interleukin-2; Cerebrospinal fluid; Central nervous system infections; Intrathecal synthesis (Sharief, M.K. (147) 51)

Branched peptide; Serodiagnosis; AIDS (Marsden, H.S. (147) 65)

Anti-collagen antibody; Proteoglycan; Pepsin; Rheumatoid arthritis (Williams, R.O. (147) 93)

Antibody specificity; Protein adsorption to plastic; Protein denaturation; Cytochrome *c* (Schwab, C. (147) 125)

Cathepsin-kininogen complex; Cathepsin; Kininogen; Cysteine proteinase inhibitor; Acute phase condition (Takeda, A. (147) 217)

Magnetic bead; Microsphere; Antigen detection; *Schistosoma*; Circulating anodic antigen; Tropical medicine; Epidemiology; Monoclonal antibody; Microtiter (Gundersen, S.G. (148) 1)

Thymosin  $\beta_4$ ; Thymosin  $\beta_4$ [1-11]; Thymosin  $\beta_4$ [1-14]; Antibodies against thymosin  $\beta_4$ , thymosin  $\beta_4$ [1-11], or thymosin  $\beta_4$ [1-14]; Thymosin  $\beta_9$  (Livaniou, E. (148) 9)

Parathymosin; Thymic polypeptide (Economou, M. (148) 87)

*Haemophilus influenzae* type b; Polyribosylribitol phosphate; Poly-L-lysine; Monoclonal antibody (Herrmann, D.J. (148) 101)



- Hepatitis C virus; Non-A, non-B hepatitis; Post-transfusion hepatitis; Viral core protein (Yoshikawa, A. (148) 143)
- Type IV collagenase; Gelatinase; Plasma; Pregnancy (Zucker, S. (148) 189)
- proIL-1 $\beta$ ; Immunodetection; Epitope; Conformation (Herzyk, D.J. (148) 243)
- Radioimmunoassay; Monoclonal antibody; Interleukin-1 $\beta$ ; Interleukin-1 receptor antagonist (Dinareello, C.A. (148) 255)
- Protein A leakage; Chromatography, affinity; Monoclonal antibody, murine; Antibody, chicken (Godfrey, M.A.J. (149) 21)
- Brain-reactive autoantibody; Systemic lupus erythematosus (Crimando, J. (149) 87)
- Linear sweep voltammetry; Alkaline phosphatase; *p*-Nitrophenol (Tie, F. (149) 115)
- Anti-peptide antibody; Peptide; Peptide-mannan conjugate; Specific antibody (Okawa, Y. (149) 127)
- Human blood group A; Octyl- $\beta$ -D-glucopyranoside; Detergent extracts; Freeze-thaw effects (Chapman, V. (149) 147)
- Interleukin-8; Radioimmunoassay; Monoclonal antibody (Ko, Y.-c. (149) 227)
- Radioimmunoassay; Atrial natriuretic factor; Analogue (Ingwersen, S.H. (149) 237)
- Solid phase; Capture antibody; Adsorption; Denaturation; Poly (Butler, J.E. (150) 77)
- Western blot; Amplification (Bobrow, M.N. (150) 145)
- CELISA; cell-ELISA; Cell surface; spot-ELISA; ELISPOT; Proliferation; Enzyme immunoassay; Cytokine; Antibody-secreting cell (Sedgwick, J.D. (150) 159)
- Dextran carrier; Monoclonal antibody; *s*-Triazine quantification (Böcher, M. (151) 1)
- HIV; Simian immunodeficiency virus glycoprotein; *Galanthus nivalis* lectin (Mahmood, N. (151) 9)
- HLA class II molecule; Peptide antibody; In vitro immunization; Immunoblotting; FACS analysis (Petersen, J.S. (151) 15)
- Affinity; Polyclonal antibody population (Bruderer, U. (151) 157)
- Anti-Ro/SS-A; Anti-La/SS-B; Recombinant antigen; Autoantigen; Autoantibody (Veldhoven, C.H.A. (151) 177)
- Cyclic adenosine 3',5'-monophosphate; Plated anti-immunoglobulin; ELISA, competitive (Linden, J. (151) 209)
- Horseradish peroxidase; Monoclonal antibody; Human follicle stimulating hormone; Human chorionic gonadotropin (Madersbacher, S. (152) 9)
- Monoclonal antibody; Biotinylation; Immunoabsorption; Western blot (Schuh, R. (152) 59)
- C5a des Arg; Complement activation; Monoclonal antibody (Bergh, K. (152) 79)
- Monoclonal antibody; *Salmonella enteritidis*; Environmental samples (Brigmon, R.L. (152) 135)
- Lipopolysaccharide; Poly-L-lysine; Polymyxin B (Takahashi, K. (153) 67)
- Specific IgG; Cell wall mannan; *Candida albicans*; Primary antibody deficiency (Faux, J.A. (153) 167)
- Interleukin-4; Avidin-biotin system; Enzyme amplification system (Ishizuka, T. (153) 213)
- Cryptococcus neoformans*; Monoclonal antibody, mouse; Immunoglobulin, mouse; Polysaccharide, cryptococcal (Casadevall, A. (154) 27)
- CELISA; Cell binding reagents; Cell fixation; Cell surface determinants (Walker, K.W. (154) 121)
- Group B streptococcus; Macrophage; Adherence (Sloan, A.R. (154) 217)
- Acoustic microstreaming; Diffusion; Insonation; Probe-based assay; Incubation; Automation (Boraker, D.K. (155) 91)
- Monoclonal antibody; Protein purification; Quantitation (Brooks, D.A. (155) 129)
- Peroxidase-linked enzyme immunoassay; Tumor necrosis factor  $\alpha$  (Lamb, W.R. (155) 215)
- Soluble CD14; Biological fluid (Grunwald, U. (155) 225)
- cell-ELISA**  
ELISA; CELISA; Cell surface; spot-ELISA; ELISPOT; Proliferation; Enzyme immunoassay; Cytokine; Antibody-secreting cell (Sedgwick, J.D. (150) 159)
- spot-ELISA**  
ELISA; CELISA; cell-ELISA; Cell surface; ELISPOT; Proliferation; Enzyme immunoassay; Cytokine; Antibody-secreting cell (Sedgwick, J.D. (150) 159)
- ELISA, blocking**  
Bovine ephemeral fever virus; Monoclonal antibody (Zakrzewski, H. (151) 289)

**ELISA capture**

*Plasmodium falciparum*; Glutamate-rich protein; IgM; IgG; Recombinant fusion protein (Dziegiel, M. (155) 207)

**ELISA, cellular**

Hybridoma screening; Circle assay; Immunocytochemistry (Balogh, P. (153) 141)

**ELISA, competitive**

IgY chicken;  $\alpha$ -Amidating enzyme (Sturmer, A.M. (146) 105)

2,4-Dinitrophenol; Anti-2,4-dinitrophenol; Alkaline phosphatase; 3,6-Fluorescein diphosphate; *p*-Nitrophenyl phosphate (Huang, Z. (149) 261)

Cyclic adenosine 3',5'-monophosphate; ELISA; Plated anti-immunoglobulin (Linden, J. (151) 209)

**ELISA, double-antibody sandwich**

Neuron-specific enolase, human; Monoclonal antibody; Synthetic peptide; Small-cell carcinoma of the lung (Duncan, M.E. (151) 227)

**ELISA, micro-**

Fluorescein-di- $\beta$ -D-galactopyranoside; Astroscan 2100 automated plate reader; Monoclonal antibody, mouse anti-HLA; Cell line (Sadler, A.M. (149) 11)

**ELISA, one-step**

Cocktail conjugate; IIBIIIa; Epitope mapping (Rowland, A.M. (151) 87)

**ELISA quality control**

Precision; Antibody capture ELISA; *Dichelobacter nodosus* (Whittington, R.J. (148) 57)

**ELISA spot assay**

Class and subclass switch; Monoclonal antibody (Spira, G. (148) 121)

**ELISA, tumor necrosis factor**

Tumor necrosis factor; Tumor necrosis factor receptor; Tumor infiltrating lymphocyte; Gene therapy; Lymphokine secretion (Hwu, P. (151) 139)

**ELISPOT**

ELISA; CELISA; cell-ELISA; Cell surface; spot-ELISA; Proliferation; Enzyme immunoassay; Cytokine; Antibody-secreting cell (Sedgwick, J.D. (150) 159)

Interleukin-1; Amplified immunoassay; Avidin-biotin; Antiperoxidase (Nordström, I. (150) 199)

B cell; Cross-reactivity; Polyspecific; (Chamber); (Antigen) (Klinman, D.M. (152) 217)

**ELISPOT, amplified**

HIV; Antibody-secreting cell; (Monkey) (Eriksson, K. (153) 107)

**Elongation factor Tu**

Mycoplasma; Monoclonal antibody; Species differentiation of mycoplasmas (Kamla, V. (147) 73)

**Endogenous DNase**

DNase I; Inhibitor; Enzyme assay; Immunoassay; Serum assay (Gibson, U.E.M. (155) 249)

**Endotoxin**

Lipopolysaccharide; Radiolabel; Lipid A (Munford, R.S. (148) 115)

Lipopolysaccharide; Interleukin-1 $\alpha$ ; Interleukin-1 $\beta$ ; Interleukin-6; Tumor necrosis factor  $\alpha$  (Riches, P. (153) 125)

**Enhanced chemiluminescence detection system**

Immunoblot; IgM, low molecular weight; Healthy adult serum; Neonatal cord blood (Xu, H.J. (146) 241)

**Enterocyte**

Intraepithelial lymphocyte; Isolation procedure; (Human) (Lundqvist, C. (152) 253)

**Environmental samples**

Monoclonal antibody; *Salmonella enteritidis*; ELISA (Brigmon, R.L. (152) 135)

**Enzyme**

Hybridization; Polymerase chain reaction; Oligonucleotide; Non-isotopic (Chikhaoui, Y. (150) 51)

B cell; Immunocytochemistry; Spleen; In situ; (Antibody) (Claassen, E. (150) 207)

IgG; IgG-polyethylene glycol conjugate; Proteolytic degradation (Cunningham-Rundles, C. (152) 177)

**Enzyme amplification system**

Interleukin-4; ELISA; Avidin-biotin system (Ishizuka, T. (153) 213)

**Enzyme assay**

DNase I; Inhibitor; Immunoassay; Serum assay; Endogenous DNase (Gibson, U.E.M. (155) 249)

**Enzyme cascade**

Antigen-antibody; Biotin-avidin; Fluorogenic luminescent substrate; Non-specific signal (Avrameas, S. (150) 23)

**Enzyme conjugate**

Targeting; Monoclonal antibody; Alkaline phosphatase; Macrophage; Horseradish peroxidase; Coupling; (Mice) (Van Rooijen, N. (151) 149)

**Enzyme immunoassay**

Lysozyme; Biological fluid (Taylor, D.C. (146) 55)

Novel field assay; Snake venom identification (Cox, J.C. (146) 213)

Enzyme-multiplied immunoassay technique; Substrate-labeled fluorescence immunoassay; Apoenzyme reactivation immunoassay; Cofactor-labeled; Inhibitor-labeled (Jenkins, S.H. (150) 91)

Artifact; Limitation; Interference; Cross-reactivity; Homogeneous; Surface effect (Pesce, A.J. (150) 111)

ELISA; CELISA; cell-ELISA; Cell surface; spot-ELISA; ELISPOT; Proliferation; Cytokine; Antibody-secreting cell (Sedgwick, J.D. (150) 159)

Granule membrane protein-140; Monoclonal antibody; Plasma; CD62; P-Selectin (Katayama, M. (153) 41)

Adenosine 3',5' cyclic monophosphate; Guanosine 3',5' cyclic monophosphate (Horton, J.K. (155) 31)

IgM antibody, rabbit; Complement; Sensitivity (Kuhn, H.-M. (155) 201)

False-positive reaction; Interferon- $\gamma$ ; Tuberculosis; Plasma; (Bovine) (Jones, S.L. (155) 233)

#### **Enzyme immunoassay, homogeneous**

CEDIA assay; Drug monitoring (Engel, W.D. (150) 99)

#### **Enzyme immunosorbent assay**

Penicillinase; Prolactin, mouse (Tomita, Y. (151) 269)

#### **Enzyme-multiplied immunoassay technique**

Enzyme immunoassay; Substrate-labeled fluorescence immunoassay; Apoenzyme reactivation immunoassay; Cofactor-labeled; Inhibitor-labeled (Jenkins, S.H. (150) 91)

#### **Enzyme release assay**

Cytotoxic T lymphocyte; DNA transfection;  $\beta$ -Galactosidase (Ohmori, H. (147) 119)

#### **Epidemiology**

Magnetic bead; Microsphere; Antigen detection; ELISA; *Schistosoma*; Circulating anodic antigen; Tropical medicine; Monoclonal antibody; Microtiter (Gundersen, S.G. (148) 1)

#### **Epithelium specific**

Cell separation; Colorectal tumor cell; Tumor infiltrating leukocyte; Monoclonal antibody HEA125; Immunomagnetic bead (Kemmer, W. (147) 197)

#### **Epitope**

proIL-1 $\beta$ ; Immunodetection; Conformation; ELISA (Herzyk, D.J. (148) 243)

Periodate; Carbohydrate; Mucin; Immunoperoxidase (Bara, J. (149) 105)

Two-step sandwich immunoassay; Antibody; Analyte; Capture antibody; Labeled antibody (Fernando, S.A. (151) 67)

Mimotope; Random sequence; Expression library (Lenstra, J.A. (152) 149)

#### **Epitope mapping**

ELISA, one-step; Cocktail conjugate; IIBIIIa (Rowland, A.M. (151) 87)

Immunochemical analysis; Nuclear phosphoprotein p53; Monoclonal antibody (Vojtěšek, B. (151) 237)

#### **Erythrocyte**

Macrophage; Phagocytosis; Antibody-dependent cell-mediated cytotoxicity; 2,7-Diaminofluorene (Gebran, S.J. (151) 255)

#### **Escherichia coli antigen**

Western blot; Antibody elution; Chaotropic ion; Cross-reaction (Hammerl, P. (151) 299)

#### **Europium**

Complement; Cytotoxicity; Antibody; Cytolysis; Melanoma (Cui, J. (147) 13)

Time-resolved fluoroimmunoassay; Prostaglandin; Biotin-avidin (Lüke, F.J. (148) 217)

Streptavidin; Time-resolved fluorometry; Fluoroimmunoassay; Follicle stimulating hormone; Thyroid stimulating hormone; DELFIA (Suonpää, M. (149) 247)

#### **Europium chelate**

Quantitative Western blot analysis; Time-resolved fluorometry; Non-isotopic detection (Diamandis, E.P. (147) 251)

#### **Expression library**

Epitope; Mimotope; Random sequence (Lenstra, J.A. (152) 149)

#### **Expression vector**

Polymerase chain reaction; Chimeric antibody; Immunoglobulin expression (Coloma, M.J. (152) 89)

#### **Extrathymic T cell**

Hepatic lymphocyte; Intermediate TcR cell;  $\alpha\beta$  T cell (Watanabe, H. (146) 145)

## F

#### **FACS analysis**

HLA class II molecule; Peptide antibody; In vitro immunization; ELISA; Immunoblotting (Petersen, J.S. (151) 15)

**False-positive reaction**

Enzyme immunoassay; Interferon- $\gamma$ ; Tuberculosis; Plasma; (Bovine) (Jones, S.L. (155) 233)

**Fc $\alpha$ R**

Neutrophil; Hemodialysis (Mazengera, R.L. (146) 121)

**Fc $\gamma$  receptor**

Phagocytosis; Monoclonal antibody; Biotin; Streptavidin (Edberg, J.C. (148) 179)

**Fecal blood**

Colloidal gold agglutination; Monoclonal antibody; Hemoglobin (Nagata, M. (153) 185)

**Ferrofluid**

Cell separation; Magnetic separation, high gradient (Thomas, T.E. (154) 245)

**Ficoll-Paque**

Lymphocyte subsets; Flow cytometry; Cryopreservation (Romeu, M.A. (154) 7)

**Filter strip**

Cytokine; Late phase allergic reaction; Nasal mucosa (Alam, R. (155) 25)

**Fixative**

Viral determinant detection; Transmissible gastroenteritis coronavirus; Immunoperoxidase (Tô, L.-T. (154) 195)

**Flow cytometry**

Leukocyte cellular adhesion molecule; CD11a/CD18; Polymorph; Lymphocyte; Monocyte (Hamblin, A. (146) 219)

Bronchoalveolar lavage fluid; Lymphocyte; Immunoenzyme technique; (Antigen) (Padovan, C.S. (147) 27)

5-Bromo-2-deoxyuridine; Proliferating lymphocyte subset (Carayon, P. (147) 225)

Calcium; T lymphocyte; Activation; (Human) (Alexander, R.B. (148) 131)

Oncogene; Neuroblastoma; Immunolocalization (Gazitt, Y. (148) 159)

Neutrophil; Antigen expression; Preparative procedures (Macey, M.G. (149) 37)

Neutrophil; Formyl-methionine-leucine-phenylalanine receptor (Allen, C.A. (149) 159)

T cell subset; Technical influence; Temperature of storage; Time (Ekong, T. (151) 217)

B lymphocyte; Stimulation; Proliferation (Storek, J. (151) 261)

Intracellular; Immunofluorescence; Monoclonal antibody; HIV; p24 antigen (Heynen, C.A. (152) 25)

DNA fragmentation; Thymocyte apoptosis; Lymphocyte irradiation (Ojeda, F. (152) 171)

Immunomagnetic; Cell separation; Dynabeads; Differentiation; Cell growth; SSEA-1 (Swann, I.D. (152) 245)

Apoptosis; Interleukin-3 (Ormerod, M.G. (153) 57)

Binding constant; Binding site; Cell surface antigen; Monoclonal antibody, fluorescent; Gene dosage; Gene expression; Lectin; Non-linear regression; Parameter estimation (Bardsley, W.G. (153) 235)

Fluorescent in situ hybridization; Gene expression; Immunoglobulin variable region gene (Ravichandran, K.S. (153) 249)

Lymphocyte subsets; Ficoll-Paque; Cryopreservation (Romeu, M.A. (154) 7)

Immunofluorescence; Interleukin-1 (Chikanza, I.C. (154) 173)

**Fluorescein-di- $\beta$ -D-galactopyranoside**

ELISA, micro-; Astroscan 2100 automated plate reader; Monoclonal antibody, mouse anti-HLA; Cell line (Sadler, A.M. (149) 11)

**3,6-Fluorescein diphosphate**

ELISA, competitive; 2,4-Dinitrophenol; Anti-2,4-dinitrophenol; Alkaline phosphatase; *p*-Nitrophenyl phosphate (Huang, Z. (149) 261)

**Fluorescence**

Liposome; In vivo; Macrophage; Spleen; Liver; Marginal zone (Claassen, E. (147) 231)

DNA determination; Cell culture (Goppelt-Struebe, M. (151) 245)

**Fluorescent in situ hybridization**

Gene expression; Flow cytometry; Immunoglobulin variable region gene (Ravichandran, K.S. (153) 249)

**Fluorimetric analysis**

Cytotoxic assay; Carboxyfluorescein diacetate (Provinciali, M. (155) 19)

**Fluorochrome**

Proliferation assay; LAK cell; DNA staining; Propidium iodide; 4,6-Diamidine-2-phenylindol-dihydrochloride; Acridine orange; Hoechst H33342 (Vollenweider, I. (149) 133)

**Fluorogenic luminescent substrate**

Antigen-antibody; Biotin-avidin; Enzyme cascade; Non-specific signal (Avrameas, S. (150) 23)

**Fluoroimmunoassay**

Europium; Streptavidin; Time-resolved fluorometry; Follicle stimulating hormone; Thyroid stimulating hormone; DELFIA (Suonpää, M. (149) 247)

**Follicle stimulating hormone**

Europium; Streptavidin; Time-resolved fluorometry; Fluoroimmunoassay; Thyroid stimulating hormone; DELFIA (Suonpää, M. (149) 247)

**Formyl-methionine-leucine-phenylalanine receptor**

Flow cytometry; Neutrophil (Allen, C.A. (149) 159)

**Fourier transform infrared spectroscopy**

Non-radioisotopic immunoassay; Metal carbonyl tracer; Cyanantrene; Phenobarbital (Salmain, M. (148) 65)

**Fragment condensation**

Helper T cell epitope; Multiple antigenic peptide; Coupling; Vaccine (McLean, G.W. (155) 113)

**Freeze-thaw effects**

ELISA; Human blood group A; Octyl- $\beta$ -D-glucopyranoside; Detergent extracts (Chapman, V. (149) 147)

**Freund's adjuvant**

Ribi adjuvant; [L-Tyr,L-Glu,DL-Ala]-Poly-L-lysine; Immune response; Antibody affinity; Adjuvant side effects; Granuloma; Creatinine kinase; (Rabbit) (Deeb, B.J. (152) 105)

**Fusion partner**

Interleukin-6; Monoclonal antibody (Harris, J.F. (148) 199)

**Fusion protein**

Cell adherence; ICAM-1; LFA-1; Cell separation; Immunomagnetic bead (Hedman, H. (146) 203)

Monoclonal antibody;  $\beta$  Amyloid; Kunitz domain (Wunderlich, D. (147) 1)

# G

 **$\beta$ -Galactosidase**

Cytotoxic T lymphocyte; Enzyme release assay; DNA transfection (Ohmori, H. (147) 119)

***Galanthus nivalis* lectin**

ELISA; HIV; Simian immunodeficiency virus glycoprotein (Mahmood, N. (151) 9)

**Gastrin Biosynthesis**

Immunosorption; Peptide hormone; Precursor; Radioimmunoassay (Rehfeld, J.F. (153) 7)

**Gelatinase**

Type IV collagenase; ELISA; Plasma; Pregnancy (Zucker, S. (148) 189)

**Gel filtration**

HPLC; Aromatic interaction; Hybridoma antibody; Anti-TNP antibody (Michaelsen, T.E. (146) 9)

**Gelonin**

Liposome immune lysis assay; Ricin; Ricin A chain; Calcein (Paul, A. (148) 151)

**Gene**

Immunoglobulin; cDNA; Polymerase chain reaction; Specificity repertoires; Allergy (Walker, M.R. (149) 77)

Polymerase chain reaction; Cytokine; Quantitation (Carding, S.R. (151) 277)

**Gene dosage**

Binding constant; Binding site; Cell surface antigen; Flow cytometry; Monoclonal antibody, fluorescent; Gene expression; Lectin; Non-linear regression; Parameter estimation (Bardsley, W.G. (153) 235)

**Gene expression**

Binding constant; Binding site; Cell surface antigen; Flow cytometry; Monoclonal antibody, fluorescent; Gene dosage; Lectin; Non-linear regression; Parameter estimation (Bardsley, W.G. (153) 235)

Fluorescent in situ hybridization; Flow cytometry; Immunoglobulin variable region gene (Ravichandran, K.S. (153) 249)

**Gene therapy**

Tumor necrosis factor; Tumor necrosis factor receptor; ELISA, tumor necrosis factor; Tumor infiltrating lymphocyte; Lymphokine secretion (Hwu, P. (151) 139)

**pGEX**

Chimeric protein A/protein G; Chimeric protein G/alkaline phosphatase; Reporter molecule (Sun, S. (152) 43)

**Glioma**

Limiting dilution analysis; Tumor infiltrating lymphocyte (Tzeng, J.-J. (146) 177)

**Glutamate-rich protein**

*Plasmodium falciparum*; ELISA capture; IgM; IgG; Recombinant fusion protein (Dziegiel, M. (155) 207)

**Glycosphingolipid**

Natural antibody; Cytotoxicity assay; Complement; (Rabbit) (Yong Park, S. (154) 109)

**gp160**

Biospecific interaction analysis (BIAcore); Antibody-antigen interaction; Polyclonal serum; HIV-1; Peptide; Affinity (VanCott, T.C. (146) 163)

**gp120**

HIV-1; Monoclonal antibody; Repertoire cloning; Anti-idiotypic (Kasai, Y. (155) 77)

**Granule membrane protein-140**

Monoclonal antibody; Enzyme immunoassay; Plasma; CD62; P-Selectin (Katayama, M. (153) 41)

**Granulocyte**

Chemotaxis; Image analysis (Azzarà, A. (148) 29)

**Granulocyte-macrophage colony-stimulating factor**

Dendritic cell; Bone marrow differentiation; Immunomagnetic bead selection (Scheicher, C. (154) 253)

**Granuloma**

Freund's adjuvant; Ribi adjuvant; [L-Tyr,L-Glu,DL-Ala]-Poly-L-lysine; Immune response; Antibody affinity; Adjuvant side effects; Creatinine kinase; (Rabbit) (Deeb, B.J. (152) 105)

**Graphical fitting method**

Antibody association constant; Immunoreactive fraction; Immunological binding parameter; Iterative nonlinear least squares fitting method; Monoclonal antibody, labeled; Law of mass action; Number of effective binding sites on the target antigen (Fjeld, J.G. (151) 97)

**Group B streptococci**

*Streptococcus agalactiae*; Affinity purification; Oligosaccharide epitope; Trirhamnose, ELISA (Chalfour, R.J. (154) 69)

**Group B streptococcus**

ELISA; Macrophage; Adherence (Sloan, A.R. (154) 217)

**Guanosine 3',5' cyclic monophosphate**

Enzyme immunoassay; Adenosine 3',5' cyclic monophosphate (Horton, J.K. (155) 31)

**H*****Haemophilus influenzae* type b**

ELISA; Polyribosylribitol phosphate; Poly-L-lysine; Monoclonal antibody (Herrmann, D.J. (148) 101)

**Hapten**

Spacer; Competitive inhibition; ELISA; Conjugate (Kachab, E.H. (147) 33)

**Hapten-carrier model**

Antigen-specific B cell; T helper hybridoma; In vitro immunization (Schilizzi, B.M. (153) 49)

**HBsAg**

IgG subclass; Vaccination (Borzi, R.M. (146) 17)

**Healthy adult serum**

Enhanced chemiluminescence detection system; Immunoblot; IgM, low molecular weight; Neonatal cord blood (Xu, H.J. (146) 241)

***Helicobacter pylori***

Monoclonal antibody; Hybridoma technique; Human respiratory virus (Coyle, P.V. (153) 81)

**Helper epitope**

Immune response; Cytotoxic T lymphocyte; Synthetic peptide; Malaria (Widmann, C. (155) 95)

**Helper T cell epitope**

Fragment condensation; Multiple antigenic peptide; Coupling; Vaccine (McLean, G.W. (155) 113)

**Hemodialysis**

Fc $\alpha$ R; Neutrophil (Mazengera, R.L. (146) 121)

**Hemoglobin**

Colloidal gold agglutination; Monoclonal antibody; Fecal blood (Nagata, M. (153) 185)

**Hemolytic plaque-forming cell assay**

Polysaccharide; Tetanus toxoid; Diphtheria toxoid; IgG; Affinity; Avidity (Barington, T. (146) 129)

**Hepatic lymphocyte**

Intermediate TcR cell; Extrathymic T cell;  $\alpha\beta$  T cell (Watanabe, H. (146) 145)

**Hepatitis B e antigen**

Hepatitis B virus; Chronic infection; Hepatitis B surface antigen (Maruyama, T. (155) 65)

**Hepatitis B surface antigen**

Hepatitis B virus; Chronic infection; Hepatitis B e antigen (Maruyama, T. (155) 65)

**Hepatitis B virus**

Chronic infection; Hepatitis B surface antigen; Hepatitis B e antigen (Maruyama, T. (155) 65)

**Hepatitis C virus**

ELISA; Non-A, non-B hepatitis; Post-transfusion hepatitis; Viral core protein (Yoshikawa, A. (148) 143)

**Heterogeneous immunoassay**

Microplate; Washing; Diffusion; Convection (Beumer, T. (154) 77)

**Heterology**

Sandwich immunoassay; Testosterone dimer; Testosterone-3-(*O*-carboxymethyl)oxime; 4-(Carboxymethylmercapto) testosterone; Testosterone-17-hemisuccinate; Cross-reactivity; 5 $\alpha$ -Dihydrotestosterone (Sengupta, J. (147) 181)

**High cell density**

Simple roller; Oscillating bubble dialysis chamber; In vitro production of MAbs (Pannell, R. (146) 43)

**Histamine**

Radioimmunoassay; Single isotope enzymatic assay; Automated spectrofluorometer; Bronchoalveolar lavage fluid; (Lung) (Erger, R.A. (152) 115)

**HIV-1**

Biospecific interaction analysis (BIAcore); Antibody-antigen interaction; Polyclonal serum; gp160; Peptide; Affinity (VanCott, T.C. (146) 163)

ELISA; Simian immunodeficiency virus glycoprotein; *Galanthus nivalis* lectin (Mahmood, N. (151) 9)

Intracellular; Immunofluorescence; Monoclonal antibody; Flow cytometry; p24 antigen (Heynen, C.A. (152) 25)

ELISPOT, amplified; Antibody-secreting cell; (Monkey) (Eriksson, K. (153) 107)

**HIV-1/2**

Streptavidin-biotin interaction; Biotinylated peptide; Peptide-based ELISA; AIDS (Ivanov, V.S. (153) 229)

Western blot; Dried blood spot; Seroprevalence (Granade, T.C. (154) 225)

gp120; Monoclonal antibody; Repertoire cloning; Anti-idiotypic (Kasai, Y. (155) 77)

**HLA class II molecule**

Peptide antibody; In vitro immunization; ELISA; Immunoblotting; FACS analysis (Petersen, J.S. (151) 15)

**HLA-DR typing**

Reverse dot-blot hybridization; Sequence-specific oligonucleotide; Polymerase chain reaction (Abe, A. (154) 205)

**Hoechst H33342**

Proliferation assay; LAK cell; DNA staining; Fluorochrome; Propidium iodide; 4,6-Diamidino-2-phenylindol-dihydrochloride; Acridine orange (Vollenweider, I. (149) 133)

**Homogeneous**

Enzyme immunoassay; Artifact; Limitation; Interference; Cross-reactivity; Surface effect (Pesce, A.J. (150) 111)

**Homoscedasticity**

Cell-mediated cytotoxicity; Colorimetric assay; Kinetics; Peptide antigen; Major histocompatibility complex antigen; Maternally transmitted antigen (Rodgers, J.R. (152) 159)

**'Hook' effect**

One-step sandwich immunoassay; Antibody; Capture antibody; Labeled antibody; Capacity (Fernando, S.A. (151) 47)

**Hormone receptor**

Tumor marker; Tumor antigen; Immunoanalysis; Oncology (Magdelénat, H. (150) 133)

**Horseradish peroxidase**

Targeting; Monoclonal antibody; Alkaline phosphatase; Macrophage; Coupling; Enzyme conjugate; (Mice) (Van Rooijen, N. (151) 149)

Monoclonal antibody; ELISA; Human follicle stimulating hormone; Human chorionic gonadotropin (Madersbacher, S. (152) 9)

**HPLC**

Gel filtration; Aromatic interaction; Hybridoma antibody; Anti-TNP antibody (Michaelsen, T.E. (146) 9)

**Human acetylcholine receptor (AChR)**

Immunomagnetic particle; T cell stimulation; Antigen presentation; Autoreactive human T cell; Myasthenia gravis (Hawke, S. (155) 41)

**Human autologous tumor**

Cytotoxic T lymphocyte; Cryopreservation; Lymphocyte (Wada, Y. (154) 235)

**Human blood group A**

ELISA; Octyl- $\beta$ -D-glucopyranoside; Detergent extracts; Freeze-thaw effects (Chapman, V. (149) 147)

**Human chorionic gonadotropin**

Horseradish peroxidase; Monoclonal antibody; ELISA; Human follicle stimulating hormone (Madersbacher, S. (152) 9)

**Human follicle stimulating hormone**

Horseradish peroxidase; Monoclonal antibody; ELISA; Human chorionic gonadotropin (Madersbacher, S. (152) 9)

**Human hybridoma**

Serum-free medium; Monoclonal antibody; Scale up (Lang, A.B. (154) 21)

**Human IgA subclass**

In situ hybridization; Immunohistochemistry (Islam, K.B. (154) 163)

**Human respiratory virus**

Monoclonal antibody; Hybridoma technique; *Helicobacter pylori* (Coyle, P.V. (153) 81)

**Hybridization**

Enzyme; Polymerase chain reaction; Oligonucleotide; Non-isotopic (Chikhaoui, Y. (150) 51)

**Hybridoma antibody**

Gel filtration; HPLC; Aromatic interaction; Anti-TNP antibody (Michaelsen, T.E. (146) 9)

**Hybridoma, human**

Cell line; Selection method (Hundhausen, T. (153) 21)

**Hybridoma screening**

Circle assay; ELISA, cellular; Immunocytochemistry (Balogh, P. (153) 141)

**Hybridoma technique**

Monoclonal antibody; Human respiratory virus; *Helicobacter pylori* (Coyle, P.V. (153) 81)

**Hydrogen peroxide**

Neutrophil; Phagocyte; Superoxide; NADPH oxidase (Anderson, R. (155) 49)

**I****ICAM-1**

Cell adherence; LFA-1; Cell separation; Fusion protein; Immunomagnetic bead (Hedman, H. (146) 203)

**IgA**

Monoclonal antibody; Parasite; *Eimeria tenella* (Hoare, J.A. (153) 161)

**IgE**

CD23 (FcεRII); Baculovirus; Apoptosis (Graber, P. (149) 215)

**IgE antibody**

Radioallergosorbent test; Benzyl penicilloyl hapten-poly-L-lysine conjugate; Benzyl penicilloyl hapten-human serum albumin conjugate (Blanca, M. (153) 99)

**IgG**

Hemolytic plaque-forming cell assay; Polysaccharide; Tetanus toxoid; Diphtheria toxoid; Affinity; Avidity (Barington, T. (146) 129)

IgG subclass; Monoclonal antibody; Immunoassay; Dose-response curve (Hvatum, M. (148) 77)

IgG-polyethylene glycol conjugate; Proteolytic degradation; Enzyme (Cunningham-Rundles, C. (152) 177)

*Plasmodium falciparum*; Glutamate-rich protein; ELISA capture; IgM; Recombinant fusion protein (Dziegiel, M. (155) 207)

**IgG-polyethylene glycol conjugate**

IgG; Proteolytic degradation; Enzyme (Cunningham-Rundles, C. (152) 177)

**IgG rheumatoid factor**

Rheumatoid factor immunoblot assay; (Human) (Newkirk, M.M. (148) 93)

**IgG subclass**

HBsAg; Vaccination (Borzì, R.M. (146) 17)

IgG; Monoclonal antibody; Immunoassay; Dose-response curve (Hvatum, M. (148) 77)

**IgM**

*Plasmodium falciparum*; Glutamate-rich protein; ELISA capture; IgG; Recombinant fusion protein (Dziegiel, M. (155) 207)

**IgM antibody, rabbit**

Enzyme immunoassay; Complement; Sensitivity (Kuhn, H.-M. (155) 201)

**IgM (Fab')<sub>2</sub>**

IgM, mouse; Low temperature pepsinolysis; IgM proteolysis; IgM monoclonal (Pascual, D.W. (146) 249)

**IgM, low molecular weight**

Enhanced chemiluminescence detection system; Immunoblot; Healthy adult serum; Neonatal cord blood (Xu, H.J. (146) 241)

**IgM monoclonal**

IgM, mouse; IgM (Fab')<sub>2</sub>; Low temperature pepsinolysis; IgM proteolysis (Pascual, D.W. (146) 249)

**IgM, mouse**

IgM (Fab')<sub>2</sub>; Low temperature pepsinolysis; IgM proteolysis; IgM monoclonal (Pascual, D.W. (146) 249)

**IgM proteolysis**

IgM, mouse; IgM (Fab')<sub>2</sub>; Low temperature pepsinolysis; IgM monoclonal (Pascual, D.W. (146) 249)

**IgY**

Egg-yolk antibody; Immunized hen; Antibody purification; Affinity chromatography; Transferrin; Nephelometry (Ntakirutimana, V. (153) 133)

**IgY chicken**

ELISA, competitive; α-Amidating enzyme (Sturmer, A.M. (146) 105)



**IIBIIIa**

ELISA, one-step; Cocktail conjugate; Epitope mapping (Rowland, A.M. (151) 87)

**proIL-1 $\beta$** 

Immunodetection; Epitope; Conformation; ELISA (Herzyk, D.J. (148) 243)

**Image analysis**

Chemotaxis; Granulocyte (Azzarà, A. (148) 29)

**Immune complex**

Conglutinin; Anti-collagen antibody; Systemic lupus erythematosus (Holmskov, U. (148) 225)

**Immune response**

Freund's adjuvant; Ribi adjuvant; [L-Tyr,L-Glu,DL-Ala]-Poly-L-lysine; Antibody affinity; Adjuvant side effects; Granuloma; Creatinine kinase; (Rabbit) (Deeb, B.J. (152) 105)

Cytotoxic T lymphocyte; Helper epitope; Synthetic peptide; Malaria (Widmann, C. (155) 95)

**Immunization**

Baculovirus expression; Monoclonal antibody; Lymphocyte cell surface antigen; Polymerase chain reaction (De Boer, M. (152) 15)

Cytotoxic T lymphocyte; Influenza A virus; Synthetic peptide (Zhou, X. (153) 193)

**Immunized hen**

Egg-yolk antibody; IgY; Antibody purification; Affinity chromatography; Transferrin; Nephelometry (Ntakarutimana, V. (153) 133)

**Immuno-adjvant**

TiterMax; Complete Freund's adjuvant; Antibody titer (Bennett, B. (153) 31)

**Immuno-adsorption**

Monoclonal antibody; Biotinylation; ELISA; Western blot (Schuh, R. (152) 59)

**Immuno-analysis**

Tumor marker; Tumor antigen; Hormone receptor; Oncology (Magdelénat, H. (150) 133)

**Immuno-assay**

Monoclonal antibody; Second antibody; Immunoglobulin  $\kappa$  chain; Plasma, human; Plasma, rabbit; Affinity (Reed, G.L. (147) 111)

Response/error relationship; Imprecision profile; Resampling technique (Chiecchio, A. (147) 211)

IgG; IgG subclass; Monoclonal antibody; Dose-response curve (Hvatum, M. (148) 77)

Precision profile; Statistics; Replicate (Delaage, M. (150) 103)

Dinitrophenyl; Immunoperoxidase; Dinitrophenyl-hapten procedure; Dinitrophenyl localization system; Immunolocalization (Jasani, B. (150) 193)

Polyvinyl chloride; Ligand adsorption; Kinetics of adsorption (Zalazar, F.E. (152) 1)

Chemiluminescence; Dot-blot assay; Chromogranin A; Brain protein (Heinicke, E. (152) 227)

Blood collection; Anticoagulant; Spiked recombinant cytokine; Stability; Recovery (Thavasu, P.W. (153) 115)

Catecholamine; Adrenalin; Noradrenalin (Murphy, J.F. (154) 89)

DNase I; Inhibitor; Enzyme assay; Serum assay; Endogenous DNase (Gibson, U.E.M. (155) 249)

**Immunoblot**

Enhanced chemiluminescence detection system; IgM, low molecular weight; Healthy adult serum; Neonatal cord blood (Xu, H.J. (146) 241)

**Immunoblotting**

HLA class II molecule; Peptide antibody; In vitro immunization; ELISA; FACS analysis (Petersen, J.S. (151) 15)

**Immuno-chemical analysis**

Nuclear phosphoprotein p53; Monoclonal antibody; Epitope mapping (Vojtěšek, B. (151) 237)

**Immuno-cytochemical staining**

Antibody-containing cell; In situ detection; *Eimeria tenella*; (Chicken) (Vervelde, L. (151) 191)

**Immuno-cytochemistry**

Islet cell; Cytoplasmic; (Antibody) (Marshall, M.O. (149) 63)

B cell; Enzyme; Spleen; In situ; (Antibody) (Claassen, E. (150) 207)

Hybridoma screening; Circle assay; ELISA, cellular (Balogh, P. (153) 141)

**Immunodetection**

proIL-1 $\beta$ ; Epitope; Conformation; ELISA (Herzyk, D.J. (148) 243)

**Immunodiagnostic kits**

Tropical disease; Diagnostics (Talwar, G.P. (150) 121)

**Immuno-enzyme technique**

Bronchoalveolar lavage fluid; Flow cytometry; Lymphocyte; (Antigen) (Padovan, C.S. (147) 27)

**Immunoassay**

Chelating agent; Magnetizable carrier (Löster, K. (148) 41)

**Immunofluorescence**

Intracellular; Monoclonal antibody; HIV; Flow cytometry; p24 antigen (Heynen, C.A. (152) 25)

Interleukin-1; Flow cytometry (Chikanza, I.C. (154) 173)

**Immunofluorescence analysis**

Lymphocyte subsets; Staining method (Pechhold, K. (147) 135)

**Immunoglobulin**

Gene; cDNA; Polymerase chain reaction; Specificity reporters; Allergy (Walker, M.R. (149) 77)

<sup>13</sup>C-NMR; Allotype (Kim, H.H. (153) 223)

**Immunoglobulin expression**

Expression vector; Polymerase chain reaction; Chimeric antibody (Coloma, M.J. (152) 89)

**Immunoglobulin  $\kappa$  chain**

Monoclonal antibody; Second antibody; Plasma, human; Plasma, rabbit; Affinity; Immunoassay (Reed, G.L. (147) 111)

**Immunoglobulin, mouse**

*Cryptococcus neoformans*; Monoclonal antibody, mouse; ELISA; Polysaccharide, cryptococcal (Casadevall, A. (154) 27)

**Immunoglobulin variable region gene**

Fluorescent in situ hybridization; Gene expression; Flow cytometry (Ravichandran, K.S. (153) 249)

**Immunohistochemistry**

In situ hybridization; Oligonucleotide histochemistry; In situ nick translation (Nakane, P.K. (150) 151)

Human IgA subclass; In situ hybridization (Islam, K.B. (154) 163)

**Immunolocalization**

Oncogene; Neuroblastoma; Flow cytometry (Gazitt, Y. (148) 159)

Dinitrophenyl; Immunoperoxidase; Dinitrophenyl-hapten procedure; Dinitrophenyl localization system; Immunoassay (Jasani, B. (150) 193)

**Immunological binding parameter**

Antibody association constant; Graphical fitting method; Immunoreactive fraction; Iterative nonlinear least squares fitting method; Monoclonal antibody, labeled; Law of mass action; Number of effective binding sites on the target antigen (Fjeld, J.G. (151) 97)

**Immunology**

Pregnancy; Placenta; Mononuclear cell; Cell culture (Rasheed, F.N. (146) 185)

**Immunomagnetic**

Microbeads; Dynabeads; CD45RO; UCHL1; Magnetic cell sorter (Manyonda, I.T. (149) 1)

Cell separation; Dynabeads; Differentiation; Cell growth; SSEA-1; Flow cytometry (Swann, I.D. (152) 245)

**Immunomagnetic bead**

Cell adherence; ICAM-1; LFA-1; Cell separation; Fusion protein (Hedman, H. (146) 203)

Cell separation; Colorectal tumor cell; Tumor infiltrating leukocyte; Monoclonal antibody HEA125; Epithelium specific (Kemmner, W. (147) 197)

Purification; Basophilic granulocyte, human (Mul, F.P.J. (149) 207)

**Immunomagnetic bead selection**

Dendritic cell; Bone marrow differentiation; Granulocyte-macrophage colony-stimulating factor (Scheicher, C. (154) 253)

**Immunomagnetic particle**

T cell stimulation; Human acetylcholine receptor (AChR); Antigen presentation; Autoreactive human T cell; Myasthenia gravis (Hawke, S. (155) 41)

**Immunomodulation test**

Computer program; Microplate; Planning and evaluation (Siman, P. (146) 1)

**Immunoperoxidase**

Membrane antigen (Gonatas, N.K. (150) 185)

Dinitrophenyl; Dinitrophenyl-hapten procedure; Dinitrophenyl localization system; Immunolocalization; Immunoassay (Jasani, B. (150) 193)

Viral determinant detection; Transmissible gastroenteritis coronavirus; Fixative (Tô, L.-T. (154) 195)

**Immunoperoxidase**

Periodate; Carbohydrate; Mucin; Epitope (Bara, J. (149) 105)

**Immunophenotyping**

Lymphocyte number; Quality control test; CD4 T lymphocyte; CD8 T lymphocyte; Automatic device (Aboulker, J.P. (154) 155)

**Immunoprecipitation**

Antigen determination; Microgravimetry; Antibody determination (Pokrić, B. (148) 49)

**Immunoreactive fraction**

Antibody association constant; Graphical fitting method; Immunological binding parameter; Iterative nonlinear least squares fitting method; Monoclonal antibody, labeled; Law of mass action; Number of effective binding sites on the target antigen (Fjeld, J.G. (151) 97)

Monoclonal antibody; Cell fixation; Cytoplasmic antigen (Haisma, H.J. (154) 55)

**Immunoselection**

Lyt2<sup>-</sup> mutant; Magnetic particle; X ray mutagenesis (Iannelli, D. (154) 211)

**Immuno sorption**

Peptide hormone; Gastrin Biosynthesis; Precursor; Radioimmunoassay (Rehfeld, J.F. (153) 7)

**Immunosuppressive**

Interleukin-1; Myelomonocytic; Inhibition (Peritt, D. (155) 167)

**Immunotoxin**

Ribosome-inactivating protein; Toxin (Strocchi, P. (155) 57)

**Imprecision profile**

Immunoassay; Response/error relationship; Resampling technique (Chiecchio, A. (147) 211)

**Incubation**

Acoustic microstreaming; Diffusion; Insonation; ELISA; Probe-based assay; Automation (Boraker, D.K. (155) 91)

**Infertility**

Anti-sperm cell-mediated immunity; Computer-assisted image analysis system; Leukocyte migration inhibition factor assay (Dimitrov, D.G. (154) 147)

**Influenza A virus**

Cytotoxic T lymphocyte; Synthetic peptide; Immunization (Zhou, X. (153) 193)

**Inhibition**

Mycoplasma; Proliferation; Splenocyte; Stimulation (Alzani, R. (152) 35)

Interleukin-1; Myelomonocytic; Immunosuppressive (Peritt, D. (155) 167)

**Inhibitor**

Liquid phase isoelectric focusing; Rotofor cell; Interleukin-1; Myelomonocytic; (Human) (Peritt, D. (155) 159)

DNase I; Enzyme assay; Immunoassay; Serum assay; Endogenous DNase (Gibson, U.E.M. (155) 249)

**Inhibitor-labeled**

Enzyme immunoassay; Enzyme-multiplied immunoassay technique; Substrate-labeled fluorescence immunoassay; Apoenzyme reactivation immunoassay; Cofactor-labeled (Jenkins, S.H. (150) 91)

**In situ**

B cell; Immunocytochemistry; Enzyme; Spleen; (Antibody) (Claassen, E. (150) 207)

**In situ detection**

Immunocytochemical staining; Antibody-containing cell; *Eimeria tenella*; (Chicken) (Vervelde, L. (151) 191)

**In situ hybridization**

Interferon- $\gamma$ ; Interleukin-6; Interleukin-1; Thyroid tissue (Rutenfranz, I. (148) 233)

Immunohistochemistry; Oligonucleotide histochemistry; In situ nick translation (Nakane, P.K. (150) 151)

Human IgA subclass; Immunohistochemistry (Islam, K.B. (154) 163)

**In situ nick translation**

Immunohistochemistry; In situ hybridization; Oligonucleotide histochemistry (Nakane, P.K. (150) 151)

**Insonation**

Acoustic microstreaming; Diffusion; ELISA; Probe-based assay; Incubation; Automation (Boraker, D.K. (155) 91)

**Insulin**

Radioimmunoassay; Autoimmune thyroid disease; Autoantibody (Hegewald, M.J. (154) 61)

**Interference**

Enzyme immunoassay; Artifact; Limitation; Cross-reactivity; Homogeneous; Surface effect (Pesce, A.J. (150) 111)

**Interferon- $\gamma$** 

In situ hybridization; Interleukin-6; Interleukin-1; Thyroid tissue (Rutenfranz, I. (148) 233)

Enzyme immunoassay; False-positive reaction; Tuberculosis; Plasma; (Bovine) (Jones, S.L. (155) 233)

**Interferon- $\gamma$  antagonist**

Interferon- $\gamma$ , human; Interferon- $\gamma$  receptor; Soluble receptor; Solid-phase binding test (Ozmen, L. (147) 261)

**Interferon- $\gamma$ , human**

Interferon- $\gamma$  receptor; Soluble receptor; Solid-phase binding test; Interferon- $\gamma$  antagonist (Ozmen, L. (147) 261)

**Interferon- $\gamma$  receptor**

Interferon- $\gamma$ , human; Soluble receptor; Solid-phase binding test; Interferon- $\gamma$  antagonist (Ozmen, L. (147) 261)

**Interleukin-1**

In situ hybridization; Interferon- $\gamma$ ; Interleukin-6; Thyroid tissue (Rutenfranz, I. (148) 233)

ELISPOT; Amplified immunoassay; Avidin-biotin; Anti-peroxidase (Nordström, I. (150) 199)

Tumor necrosis factor; Monocyte; U937 cell line; Phagocytosis (Jiang, W.G. (152) 201)

Immunofluorescence; Flow cytometry (Chikanza, I.C. (154) 173)

Liquid phase isoelectric focusing; Rotofor cell; Inhibitor; Myelomonocytic; (Human) (Peritt, D. (155) 159)

Myelomonocytic; Immunosuppressive; Inhibition (Peritt, D. (155) 167)

**Interleukin-2**

ELISA; Cerebrospinal fluid; Central nervous system infections; Intrathecal synthesis (Sharief, M.K. (147) 51)

**Interleukin-3**

Apoptosis; Flow cytometry (Ormerod, M.G. (153) 57)

**Interleukin-4**

ELISA; Avidin-biotin system; Enzyme amplification system (Ishizuka, T. (153) 213)

**Interleukin-6**

Dissociation-enhanced lanthanide fluoroimmunoassay; Time-resolved fluoroimmunoassay; Tumor necrosis factor  $\alpha$ ; Cytokine (Ogata, A. (148) 15)

Radioimmunoassay; Monocyte, human (Peppard, J.V. (148) 23)

Fusion partner; Monoclonal antibody (Harris, J.F. (148) 199)

In situ hybridization; Interferon- $\gamma$ ; Interleukin-1; Thyroid tissue (Rutenfranz, I. (148) 233)

Endotoxin; Lipopolysaccharide; Interleukin-1 $\alpha$ ; Interleukin-1 $\beta$ ; Tumor necrosis factor  $\alpha$  (Riches, P. (153) 125)

**Interleukin-8**

ELISA; Radioimmunoassay; Monoclonal antibody (Ko, Y.-c. (149) 227)

**Interleukin-1 $\alpha$** 

Endotoxin; Lipopolysaccharide; Interleukin-1 $\beta$ ; Interleukin-6; Tumor necrosis factor  $\alpha$  (Riches, P. (153) 125)

**Interleukin-1 $\beta$** 

Radioimmunoassay; ELISA; Monoclonal antibody; Interleukin-1 receptor antagonist (Dinarello, C.A. (148) 255)

Endotoxin; Lipopolysaccharide; Interleukin-1 $\alpha$ ; Interleukin-6; Tumor necrosis factor  $\alpha$  (Riches, P. (153) 125)

**Interleukin-2 receptor**

Monoclonal antibody; (Pig) (Bailey, M. (153) 85)

**Interleukin-1 receptor antagonist**

Radioimmunoassay; ELISA; Monoclonal antibody; Interleukin-1 $\beta$  (Dinarello, C.A. (148) 255)

**Interleukin-3 receptor, murine**

Polymerase chain reaction; Cytokine (Fung, M.-C. (149) 97)

**Intermediate TcR cell**

Hepatic lymphocyte; Extrathymic T cell;  $\alpha\beta$  T cell (Watanabe, H. (146) 145)

**Intracellular**

Immunofluorescence; Monoclonal antibody; HIV; Flow cytometry; p24 antigen (Heynen, C.A. (152) 25)

**Intraepithelial lymphocyte**

Enterocyte; Isolation procedure; (Human) (Lundqvist, C. (152) 253)

**Intrathecal synthesis**

Interleukin-2; ELISA; Cerebrospinal fluid; Central nervous system infections (Sharief, M.K. (147) 51)

**In vitro immunization**

HLA class II molecule; Peptide antibody; ELISA; Immunoblotting; FACS analysis (Petersen, J.S. (151) 15)

Antigen-specific B cell; Hapten-carrier model; T helper hybridoma (Schilizzi, B.M. (153) 49)

**In vitro production of MAb**

Simple roller; Oscillating bubble dialysis chamber; High cell density (Pannell, R. (146) 43)

**In vivo**

Liposome; Macrophage; Spleen; Liver; Fluorescence; Marginal zone (Claassen, E. (147) 231)

**Islet cell**

Immunocytochemistry; Cytoplasmic; (Antibody) (Marshall, M.O. (149) 63)

**Isolation of subpopulation**

Nylon wool; Monoclonal antibody (Kokkinopoulos, D. (154) 1)

**Isolation procedure**

Intraepithelial lymphocyte; Enterocyte; (Human) (Lundqvist, C. (152) 253)

Nylon wool column; Magnetic bead; Sephadex G-10; Dendritic cell; Antigen presentation; T cell (Havenith, C.E.G. (153) 73)

**Isotype variant**

Neuroblastoma, anti-human; ELISA (D'Uscio, C. (146) 63)

**Iterative nonlinear least squares fitting method**

Antibody association constant; Graphical fitting method; Immunoreactive fraction; Immunological binding parameter; Monoclonal antibody, labeled; Law of mass action; Number of effective binding sites on the target antigen (Fjeld, J.G. (151) 97)

# K

**K562**

Dual laser flow cytometry; Conjugate; Binding; CD8<sup>dim</sup>; CD8<sup>bright</sup> (Vitale, M. (149) 189)

**Kinetics**

Cell-mediated cytotoxicity; Colorimetric assay; Peptide antigen; Major histocompatibility complex antigen; Maternally transmitted antigen; Homoscedasticity (Rodgers, J.R. (152) 159)

**Kinetics of adsorption**

Polyvinyl chloride; Immunoassay; Ligand adsorption (Zalazar, F.E. (152) 1)

**Kininogen**

Cathepsin-kininogen complex; Cathepsin; Cysteine proteinase inhibitor; ELISA; Acute phase condition (Takeda, A. (147) 217)

Cystatin superfamily; Proteinase inhibitor; Anti-peptide antibody (Lalmanach, G. (149) 197)

**Kunitz domain**

Fusion protein; Monoclonal antibody;  $\beta$  Amyloid (Wunderlich, D. (147) 1)

# L

**Labeled antibody**

One-step sandwich immunoassay; Antibody; Capture antibody; Capacity; 'Hook' effect (Fernando, S.A. (151) 47)

Two-step sandwich immunoassay; Antibody; Analyte; Capture antibody; Epitope (Fernando, S.A. (151) 67)

**LAK cell**

Proliferation assay; DNA staining; Fluorochrome; Propidium iodide; 4,6-Diamidine-2-phenylindol-dihydrochloride; Acridine orange; Hoechst H33342 (Vollenweider, I. (149) 133)

**Late phase allergic reaction**

Cytokine; Nasal mucosa; Filter strip (Alam, R. (155) 25)

**Law of mass action**

Antibody association constant; Graphical fitting method; Immunoreactive fraction; Immunological binding parameter; Iterative nonlinear least squares fitting method; Monoclonal antibody, labeled; Number of effective binding sites on the target antigen (Fjeld, J.G. (151) 97)

**Lectin**

Binding constant; Binding site; Cell surface antigen; Flow cytometry; Monoclonal antibody, fluorescent; Gene dosage; Gene expression; Non-linear regression; Parameter estimation (Bardsley, W.G. (153) 235)

Monoclonal antibody; Carbohydrate heterogeneity (Coco-Martin, J.M. (155) 241)

**Leukemia**

Mycoplasma; Cell line; Detection (Uphoff, C.C. (149) 43)

Mycoplasma; Cell line; Elimination (Uphoff, C.C. (149) 55)

**Leukocyte cellular adhesion molecule**

CD11a/CD18; Flow cytometry; Polymorph; Lymphocyte; Monocyte (Hamblin, A. (146) 219)

**Leukocyte migration inhibition factor assay**

Anti-sperm cell-mediated immunity; Computer-assisted image analysis system; Infertility (Dimitrov, D.G. (154) 147)

**LFA-1**

Cell adherence; ICAM-1; Cell separation; Fusion protein; Immunomagnetic bead (Hedman, H. (146) 203)

**Ligand adsorption**

Polyvinyl chloride; Immunoassay; Kinetics of adsorption (Zalazar, F.E. (152) 1)

**Limitation**

Enzyme immunoassay; Artifact; Interference; Cross-reactivity; Homogeneous; Surface effect (Pesce, A.J. (150) 111)

**Limiting dilution analysis**

Glioma; Tumor infiltrating lymphocyte (Tzeng, J.-J. (146) 177)

T helper cell; Alloreactivity; Primed and unprimed T cells (Deacock, S. (147) 83)

**Linear sweep voltammetry**

ELISA; Alkaline phosphatase; *p*-Nitrophenol (Tie, F. (149) 115)

**Lipid A**

Lipopolysaccharide; Radiolabel; Endotoxin (Munford, R.S. (148) 115)

**Lipopolysaccharide**

Radiolabel; Lipid A; Endotoxin (Munford, R.S. (148) 115)

ELISA; Poly-L-lysine; Polymyxin B (Takahashi, K. (153) 67)

Endotoxin; Interleukin-1 $\alpha$ ; Interleukin-1 $\beta$ ; Interleukin-6; Tumor necrosis factor  $\alpha$  (Riches, P. (153) 125)

**Liposome**

In vivo; Macrophage; Spleen; Liver; Fluorescence; Marginal zone (Claassen, E. (147) 231)

**Liposome immune lysis assay**

Gelonin; Ricin; Ricin A chain; Calcein (Paul, A. (148) 151)

**Liquid phase isoelectric focusing**

Rotofor cell; Interleukin-1; Inhibitor; Myelomonocytic; (Human) (Peritt, D. (155) 159)

**Liver**

Liposome; In vivo; Macrophage; Spleen; Fluorescence; Marginal zone (Claassen, E. (147) 231)

**Locomotion**

Lymphocyte; Polarization; Phenotype (Newman, I. (147) 43)

**Long term cytotoxic assay**

Prelabeling; Methionine, [<sup>35</sup>S]-; <sup>51</sup>Chromium (Katz, A. (149) 255)

**Loss of antibody activity**

Chromatography, high performance liquid; Monoclonal antibody preparation; Autoantigen blockage; Restoring antibody activity (Ma, J. (155) 121)

**Low pH treatment**

Monoclonal antibody; Polystyrene latex particle; Adsorption (Van Erp, R. (152) 191)

**Low temperature pepsinolysis**

IgM, mouse; IgM (Fab')<sub>2</sub>; IgM proteolysis; IgM monoclonal (Pascual, D.W. (146) 249)

**Lucifer Yellow**

Electroporation; Lymphocyte; Organic anion transport; Probenecid (Dinchuk, J.E. (155) 257)

**Lymphocyte**

Leukocyte cellular adhesion molecule; CD11a/CD18; Flow cytometry; Polymorph; Monocyte (Hamblin, A. (146) 219)

Bronchoalveolar lavage fluid; Flow cytometry; Immunoenzyme technique; (Antigen) (Padovan, C.S. (147) 27)

Polarization; Locomotion; Phenotype (Newman, I. (147) 43)

c-MYC protein; Western blot (Spiller, D.G. (149) 29)

Cytotoxic T lymphocyte; Human autologous tumor; Cryopreservation (Wada, Y. (154) 235)

Electroporation; Lucifer Yellow; Organic anion transport; Probenecid (Dinchuk, J.E. (155) 257)

**Lymphocyte cell surface antigen**

Baculovirus expression; Immunization; Monoclonal antibody; Polymerase chain reaction (De Boer, M. (152) 15)

**Lymphocyte irradiation**

DNA fragmentation; Flow cytometry; Thymocyte apoptosis (Ojeda, F. (152) 171)

**Lymphocyte number**

Immunophenotyping; Quality control test; CD4 T lymphocyte; CD8 T lymphocyte; Automatic device (Aboulker, J.P. (154) 155)

**Lymphocyte proliferation**

Serum-free medium; Mitogen; Mixed lymphocyte culture; Antigen specific (Kaldjian, E.P. (147) 189)

**Lymphocyte subsets**

Immunofluorescence analysis; Staining method (Pechhold, K. (147) 135)

B cell malignancy; Dual fluorescence flow cytometry; Surface immunoglobulin (Reynolds, W.M. (151) 123)

Flow cytometry; Ficoll-Paque; Cryopreservation (Romeu, M.A. (154) 7)

**Lymphokine secretion**

Tumor necrosis factor; Tumor necrosis factor receptor; ELISA, tumor necrosis factor; Tumor infiltrating lymphocyte; Gene therapy (Hwu, P. (151) 139)

**Lymphoproliferation assay**

Statistical method; Data analysis; Responder (Bennett, S. (146) 229)

**Lysozyme**

Enzyme immunoassay; Biological fluid (Taylor, D.C. (146) 55)

**Lyt2<sup>-</sup> mutant**

Magnetic particle; Immunoselection; X ray mutagenesis (Ianneli, D. (154) 211)

# M

## Macrophage

Liposome; In vivo; Spleen; Liver; Fluorescence; Marginal zone (Claassen, E. (147) 231)

Targeting; Monoclonal antibody; Alkaline phosphatase; Horseradish peroxidase; Coupling; Enzyme conjugate; (Mice) (Van Rooijen, N. (151) 149)

Erythrocyte; Phagocytosis; Antibody-dependent cell-mediated cytotoxicity; 2,7-Diaminofluorene (Gebran, S.J. (151) 255)

Group B streptococcus; ELISA; Adherence (Sloan, A.R. (154) 217)

## Magnetic bead

Microsphere; Antigen detection; ELISA; *Schistosoma*; Circulating anodic antigen; Tropical medicine; Epidemiology; Monoclonal antibody; Microtiter (Gundersen, S.G. (148) 1)

Avidin; Membrane charge properties; Membrane carbohydrate binding site (Andreoni, C. (151) 249)

Isolation procedure; Nylon wool column; Sephadex G-10; Dendritic cell; Antigen presentation; T cell (Havenith, C.E.G. (153) 73)

## Magnetic cell sorter

Immunomagnetic; Microbeads; Dynabeads; CD45RO; UCHL1 (Manyonda, I.T. (149) 1)

## Magnetic particle

Lyt2<sup>-</sup> mutant; Immunoselection; X ray mutagenesis (Iannelli, D. (154) 211)

## Magnetic separation, high gradient

Cell separation; Ferrofluid (Thomas, T.E. (154) 245)

## Magnetizable carrier

Chelating agent; Immunoenzymometric assay (Löster, K. (148) 41)

## Major histocompatibility complex antigen

Cell-mediated cytotoxicity; Colorimetric assay; Kinetics; Peptide antigen; Maternally transmitted antigen; Homoscedasticity (Rodgers, J.R. (152) 159)

## Major histocompatibility complex class II chain

Chromatography, high performance electrophoresis; Preparative electroelution; Peptide binding (Passmore, D. (155) 193)

## Major histocompatibility complex restriction

CD8<sup>+</sup> suppressor T cell clone; V $\beta$ 8 family; Soluble suppressor molecule (Hu, F.-y. (152) 123)

## Malaria

Immune response; Cytotoxic T lymphocyte; Helper epitope; Synthetic peptide (Widmann, C. (155) 95)

## $\alpha$ -Mannan

Phagocytosis (quantitative study of); Yeast; Cytochalasin B; Chloroquine (Giannis, J. (154) 185)

## Marginal zone

Liposome; In vivo; Macrophage; Spleen; Liver; Fluorescence (Claassen, E. (147) 231)

## Marker enzyme

Assay principle; Bound-free separation; Conjugates-substrate reaction; Assay parameter (Porstmann, T. (150) 5)

## Mast cell identification

Spleen cell, mouse; Mast cell induction; Mitogen response of mast cells (Hu, Z.-Q. (149) 173)

## Mast cell induction

Spleen cell, mouse; Mast cell identification; Mitogen response of mast cells (Hu, Z.-Q. (149) 173)

## Maternally transmitted antigen

Cell-mediated cytotoxicity; Colorimetric assay; Kinetics; Peptide antigen; Major histocompatibility complex antigen; Homoscedasticity (Rodgers, J.R. (152) 159)

## MDR-1

Oncogene; Neuroblastoma; Bone marrow metastasis (Gazit, Y. (148) 171)

## Melanoma

Europium; Complement; Cytotoxicity; Antibody; Cytotoxicity (Cui, J. (147) 13)

Cellular cytotoxicity assay; Colorimetric; Natural killer cell; Tetrazolium; XTT (Jost, L.M. (147) 153)

## Membrane antigen

Immunoperoxidase (Gonatas, N.K. (150) 185)

## Membrane carbohydrate binding site

Magnetic bead; Avidin; Membrane charge properties (Andreoni, C. (151) 249)

## Membrane charge properties

Magnetic bead; Avidin; Membrane carbohydrate binding site (Andreoni, C. (151) 249)

## Metal carbonyl tracer

Non-radioisotopic immunoassay; Cymantrene; Fourier transform infrared spectroscopy; Phenobarbital (Salmann, M. (148) 65)

**Methionine, [<sup>35</sup>S]-**

Long term cytotoxic assay; Prelabeling; <sup>51</sup>Chromium (Katz, A. (149) 255)

**Methylene blue**

Colorimetric microtiter assay; Cytotoxin; Monocyte, human; Cell adherence (Keisari, Y. (146) 155)

**Microbeads**

Immunomagnetic; Dynabeads; CD45RO; UCHL1; Magnetic cell sorter (Manyonda, I.T. (149) 1)

**Microchemotaxis chamber**

Densitometer; Polymorphonuclear leukocyte; Quantification (Misso, N.L.A. (149) 183)

**Microgravimetry**

Antigen determination; Immunoprecipitation; Antibody determination (Pokrić, B. (148) 49)

**Microplate**

Computer program; Immunomodulation test; Planning and evaluation (Siman, P. (146) 1)

Heterogeneous immunoassay; Washing; Diffusion; Convection (Beumer, T. (154) 77)

**Microscopic polyarteritis**

Anti-neutrophil cytoplasm antibody; Wegener's granulomatosis; Rapidly progressive glomerulonephritis; Anti-myeloperoxidase antibody (Chevailler, A. (147) 101)

**Microsphere**

Blood group antigen; Agglutination; Blood typing; Saliva, human; Capillary tube (Yazawa, S. (147) 21)

Magnetic bead; Antigen detection; ELISA; *Schistosoma*; Circulating anodic antigen; Tropical medicine; Epidemiology; Monoclonal antibody; Microtiter (Gundersen, S.G. (148) 1)

**Microtiter**

Magnetic bead; Microsphere; Antigen detection; ELISA; *Schistosoma*; Circulating anodic antigen; Tropical medicine; Epidemiology; Monoclonal antibody (Gundersen, S.G. (148) 1)

**Mimotope**

Epitope; Random sequence; Expression library (Lenstra, J.A. (152) 149)

**Mini-electrofusion**

Monoclonal antibody; B cell clone (Steenbakkens, P.G.A. (152) 69)

**Mitogen**

Lymphocyte proliferation; Serum-free medium; Mixed lymphocyte culture; Antigen specific (Kaldjian, E.P. (147) 189)

**Mitogen response of mast cells**

Spleen cell, mouse; Mast cell induction; Mast cell identification (Hu, Z.-Q. (149) 173)

**Mixed lymphocyte culture**

Lymphocyte proliferation; Serum-free medium; Mitogen; Antigen specific (Kaldjian, E.P. (147) 189)

**Mixed lymphocyte reaction**

Centrifugal elutriation; Dendritic cell; Antigen presenting cell; (Spleen); (Mouse) (Ossevoort, M.A. (155) 101)

**Molecular hybridization**

Non-radioactive probe (Guesdon, J.-L. (150) 33)

**Monoclonal antibody**

Parathyroid hormone-related protein; Two-site immunoradiometric assay; Western blot (Ratcliffe, W.A. (146) 33)

Fusion protein;  $\beta$  Amyloid; Kunitz domain (Wunderlich, D. (147) 1)

Mycoplasma; Elongation factor Tu; Species differentiation of mycoplasmas (Kamla, V. (147) 73)

Second antibody; Immunoglobulin  $\kappa$  chain; Plasma, human; Plasma, rabbit; Affinity; Immunoassay (Reed, G.L. (147) 111)

Magnetic bead; Microsphere; Antigen detection; ELISA; *Schistosoma*; Circulating anodic antigen; Tropical medicine; Epidemiology; Microtiter (Gundersen, S.G. (148) 1)

IgG; IgG subclass; Immunoassay; Dose-response curve (Hvatum, M. (148) 77)

*Haemophilus influenzae* type b; ELISA; Polyribosylribitol phosphate; Poly-L-lysine (Herrmann, D.J. (148) 101)

Class and subclass switch; ELISA spot assay (Spira, G. (148) 121)

Fc $\gamma$  receptor; Phagocytosis; Biotin; Streptavidin (Edberg, J.C. (148) 179)

Interleukin-6; Fusion partner (Harris, J.F. (148) 199)

Radioimmunoassay; ELISA; Interleukin-1 $\beta$ ; Interleukin-1 receptor antagonist (Dinarello, C.A. (148) 255)

Partitioning; Two-phase system; Thiophilic adsorption; Cell culture medium (Sulk, B. (149) 165)

Interleukin-8; ELISA; Radioimmunoassay (Ko, Y.-c. (149) 227)

Dextran carrier; ELISA; *s*-Triazine quantification (Böcher, M. (151) 1)



Biosynthetic human growth hormone; Titration; Competitive; Cooperativity; Circular antigen-antibody complex (Fernando, S.A. (151) 27)

Targeting; Alkaline phosphatase; Macrophage; Horseradish peroxidase; Coupling; Enzyme conjugate; (Mice) (Van Rooijen, N. (151) 149)

Catalase; Peroxisome; Peroxisomal biogenesis (Wiemer, E.A.C. (151) 165)

Tumor antigen; Baculovirus recombinant; Antibody-directed cellular cytotoxicity assay (Nesbit, M. (151) 201)

Neuron-specific enolase, human; Synthetic peptide; ELISA, double-antibody sandwich; Small-cell carcinoma of the lung (Duncan, M.E. (151) 227)

Immunochemical analysis; Nuclear phosphoprotein p53; Epitope mapping (Vojtěšek, B. (151) 237)

Bovine ephemeral fever virus; ELISA, blocking (Zakrzewski, H. (151) 289)

Ultrafiltration; Culture supernatant (Saha, K. (151) 307)

Horseradish peroxidase; ELISA; Human follicle stimulating hormone; Human chorionic gonadotropin (Madersbacher, S. (152) 9)

Baculovirus expression; Immunization; Lymphocyte cell surface antigen; Polymerase chain reaction (De Boer, M. (152) 15)

Intracellular; Immunofluorescence; HIV; Flow cytometry; p24 antigen (Heynen, C.A. (152) 25)

Biotinylation; ELISA; Immunoabsorption; Western blot (Schuh, R. (152) 59)

B cell clone; Mini-electrofusion (Steenbakkers, P.G.A. (152) 69)

C5a des Arg; Complement activation; ELISA (Bergh, K. (152) 79)

*Salmonella enteritidis*; Environmental samples; ELISA (Brigmon, R.L. (152) 135)

Polystyrene latex particle; Adsorption; Low pH treatment (Van Erp, R. (152) 191)

Granule membrane protein-140; Enzyme immunoassay; Plasma; CD62; P-Selectin (Katayama, M. (153) 41)

Hybridoma technique; Human respiratory virus; *Helicobacter pylori* (Coyle, P.V. (153) 81)

Interleukin-2 receptor; (Pig) (Bailey, M. (153) 85)

IgA; Parasite; *Eimeria tenella* (Hoare, J.A. (153) 161)

Complement; Complement receptor (Henwick, S. (153) 173)

Colloidal gold agglutination; Hemoglobin; Fecal blood (Nagata, M. (153) 185)

Nylon wool; Isolation of subpopulation (Kokkinopoulos, D. (154) 1)

Serum-free medium; Human hybridoma; Scale up (Lang, A.B. (154) 21)

Cell fixation; Immunoreactive fraction; Cytoplasmic antigen (Haisma, H.J. (154) 55)

HIV-1; gp120; Repertoire cloning; Anti-idiotypic (Kasai, Y. (155) 77)

Protein purification; ELISA; Quantitation (Brooks, D.A. (155) 129)

Carbohydrate heterogeneity; Lectin (Coco-Martin, J.M. (155) 241)

#### **Monoclonal antibody, fluorescent**

Binding constant; Binding site; Cell surface antigen; Flow cytometry; Gene dosage; Gene expression; Lectin; Non-linear regression; Parameter estimation (Bardsley, W.G. (153) 235)

#### **Monoclonal antibody HEA125**

Cell separation; Colorectal tumor cell; Tumor infiltrating leukocyte; Epithelium specific; Immunomagnetic bead (Kemmer, W. (147) 197)

#### **Monoclonal antibody, labeled**

Antibody association constant; Graphical fitting method; Immunoreactive fraction; Immunological binding parameter; Iterative nonlinear least squares fitting method; Law of mass action; Number of effective binding sites on the target antigen (Fjeld, J.G. (151) 97)

#### **Monoclonal antibody, mouse anti-HLA**

ELISA, micro-; Fluorescein-di- $\beta$ -D-galactopyranoside; Astroskan 2100 automated plate reader; Cell line (Sadler, A.M. (149) 11)

#### **Monoclonal antibody, murine**

Protein A leakage; Chromatography, affinity; Antibody, chicken; ELISA (Godfrey, M.A.J. (149) 21)

*Cryptococcus neoformans*; Immunoglobulin, mouse; ELISA; Polysaccharide, cryptococcal (Casadevall, A. (154) 27)

**Monoclonal antibody preparation**

Chromatography, high performance liquid; Loss of antibody activity; Autoantigen blockage; Restoring antibody activity (Ma, J. (155) 121)

**Monocyte**

Leukocyte cellular adhesion molecule; CD11a/CD18; Flow cytometry; Polymorph; Lymphocyte (Hamblin, A. (146) 219)

Tumor necrosis factor; Interleukin; U937 cell line; Phagocytosis (Jiang, W.G. (152) 201)

Defined medium; Monokine; Differentiation; Surface antigen (Bennett, S. (153) 201)

Two color immunofluorescence flow cytometry; Cytokine (De Caestecker, M.P. (154) 11)

**Monocyte, human**

Colorimetric microtiter assay; Cytotoxin; Cell adherence; Methylene blue (Keisari, Y. (146) 155)

Interleukin-6; Radioimmunoassay (Peppard, J.V. (148) 23)

**Monokine**

Defined medium; Monocyte; Differentiation; Surface antigen (Bennett, S. (153) 201)

**Mononuclear cell**

Pregnancy; Immunology; Placenta; Cell culture (Rasheed, F.N. (146) 185)

**Mouse complement**

*Mus hortulanus*; Tumor cell lysis (Ong, G.L. (154) 37)

**Mucin**

Periodate; Carbohydrate; Epitope; Immunoperoxidase (Bara, J. (149) 105)

**Multicolor flow cytometry**

Apoptosis; Thymocyte (Hardin, J.A. (154) 99)

**Multiparameter flow cytometry**

PKH-2; Cell tracking dye (Festini, R. (154) 47)

**Multiple antigenic peptide**

Helper T cell epitope; Fragment condensation; Coupling; Vaccine (McLean, G.W. (155) 113)

***Mus hortulanus***

Mouse complement; Tumor cell lysis (Ong, G.L. (154) 37)

**Myasthenia gravis**

Immunomagnetic particle; T cell stimulation; Human acetylcholine receptor (AChR); Antigen presentation; Autoreactive human T cell (Hawke, S. (155) 41)

**Mycoplasma**

Elongation factor Tu; Monoclonal antibody; Species differentiation of mycoplasmas (Kamla, V. (147) 73)

Cell line; Leukemia; Detection (Uphoff, C.C. (149) 43)

Cell line; Leukemia; Elimination (Uphoff, C.C. (149) 55)

Proliferation; Splenocyte; Inhibition; Stimulation (Alzani, R. (152) 35)

**c-MYC protein**

Lymphocyte; Western blot (Spiller, D.G. (149) 29)

**Myeloma cell, mouse**

Proliferation; Soluble chimeric CD4-H $\gamma$ 1 receptor (Schlaeger, E.-J. (146) 111)

**Myelomonocytic**

Liquid phase isoelectric focusing; Rotofor cell; Interleukin-1; Inhibitor; (Human) (Peritt, D. (155) 159)

Interleukin-1; Immunosuppressive; Inhibition (Peritt, D. (155) 167)

**N****NADPH oxidase**

Neutrophil; Phagocyte; Hydrogen peroxide; Superoxide (Anderson, R. (155) 49)

Chemiluminescence; Chronic granulomatous disease (Porter, C.D. (155) 151)

**Nasal mucosa**

Cytokine; Late phase allergic reaction; Filter strip (Alam, R. (155) 25)

**Natural antibody**

Cytotoxicity assay; Complement; Glycosphingolipid; (Rabbit) (Yong Park, S. (154) 109)

**Natural killer cell**

Cellular cytotoxicity assay; Colorimetric; Melanoma; Tetrazolium; XTT (Jost, L.M. (147) 153)

Effector-target interaction; Conjugate frequency; Saturability; Affinity (Garcia-Peñarrubia, P. (155) 133)

**Natural killer cell assay**

Cytotoxicity assay; Calculation of lytic units (Bryant, J. (146) 91)

**Neonatal cord blood**

Enhanced chemiluminescence detection system; Immunoblot; IgM, low molecular weight; Healthy adult serum (Xu, H.J. (146) 241)

**Nephelometry**

Egg-yolk antibody; IgY; Immunized hen; Antibody purification; Affinity chromatography; Transferrin (Ntakirutimana, V. (153) 133)

**Neuroblastoma**

Oncogene; Flow cytometry; Immunolocalization (Gazitt, Y. (148) 159)

Oncogene; MDR-1; Bone marrow metastasis (Gazitt, Y. (148) 171)

**Neuroblastoma, anti-human**

Isotype variant; ELISA (D'Uscio, C. (146) 63)

**Neuron-specific enolase, human**

Monoclonal antibody; Synthetic peptide; ELISA, double-antibody sandwich; Small-cell carcinoma of the lung (Duncan, M.E. (151) 227)

**Neutrophil**

Fc $\alpha$ R; Hemodialysis (Mazengera, R.L. (146) 121)

Antigen expression; Flow cytometry; Preparative procedures (Macey, M.G. (149) 37)

Flow cytometry; Formyl-methionine-leucine-phenylalanine receptor (Allen, C.A. (149) 159)

Phagocyte; Hydrogen peroxide; Superoxide; NADPH oxidase (Anderson, R. (155) 49)

**p-Nitrophenol**

ELISA; Linear sweep voltammetry; Alkaline phosphatase (Tie, F. (149) 115)

**p-Nitrophenyl phosphate**

ELISA, competitive; 2,4-Dinitrophenol; Anti-2,4-dinitrophenol; Alkaline phosphatase; 3,6-Fluorescein diphosphate (Huang, Z. (149) 261)

**<sup>13</sup>C-NMR**

Allotype; Immunoglobulin (Kim, H.H. (153) 223)

**Non-A, non-B hepatitis**

ELISA; Hepatitis C virus; Post-transfusion hepatitis; Viral core protein (Yoshikawa, A. (148) 143)

**Non-isotopic**

Hybridization; Enzyme; Polymerase chain reaction; Oligonucleotide (Chikhaoui, Y. (150) 51)

**Non-isotopic detection**

Quantitative Western blot analysis; Time-resolved fluorometry; Europium chelate (Diamandis, E.P. (147) 251)

**Non-linear regression**

Binding constant; Binding site; Cell surface antigen; Flow cytometry; Monoclonal antibody, fluorescent; Gene dosage; Gene expression; Lectin; Parameter estimation (Bardsley, W.G. (153) 235)

**Non-radioactive probe**

Molecular hybridization (Guesdon, J.-L. (150) 33)

**Non-radioisotopic immunoassay**

Metal carbonyl tracer; Cymantrene; Fourier transform infrared spectroscopy; Phenobarbital (Salmain, M. (148) 65)

**Non-specific signal**

Antigen-antibody; Biotin-avidin; Fluorogenic luminescent substrate; Enzyme cascade (Avrameas, S. (150) 23)

**Noradrenalin**

Catecholamine; Adrenalin; Immunoassay (Murphy, J.F. (154) 89)

**Novel field assay**

Enzyme immunoassay; Snake venom identification (Cox, J.C. (146) 213)

**Nuclear phosphoprotein p53**

Immunochemical analysis; Monoclonal antibody; Epitope mapping (Vojtěšek, B. (151) 237)

**Number of effective binding sites on the target antigen**

Antibody association constant; Graphical fitting method; Immunoreactive fraction; Immunological binding parameter; Iterative nonlinear least squares fitting method; Monoclonal antibody, labeled; Law of mass action (Fjeld, J.G. (151) 97)

**Nylon wool**

Monoclonal antibody; Isolation of subpopulation (Kokkinopoulos, D. (154) 1)

**Nylon wool column**

Isolation procedure; Magnetic bead; Sephadex G-10; Dendritic cell; Antigen presentation; T cell (Havenith, C.E.G. (153) 73)

**O****Octyl- $\beta$ -D-glucopyranoside**

ELISA; Human blood group A; Detergent extracts; Freeze-thaw effects (Chapman, V. (149) 147)

**Oligonucleotide**

Hybridization; Enzyme; Polymerase chain reaction; Non-isotopic (Chikhaoui, Y. (150) 51)

**Oligonucleotide histochemistry**

Immunohistochemistry; In situ hybridization; In situ nick translation (Nakane, P.K. (150) 151)

**Oligosaccharide epitope**

*Streptococcus agalactiae*; Group B streptococci; Affinity purification; Trirhamnose, ELISA (Chalifour, R.J. (154) 69)

**Oncogene**

Neuroblastoma; Flow cytometry; Immunolocalization (Gazitt, Y. (148) 159)

MDR-1; Neuroblastoma; Bone marrow metastasis (Gazitt, Y. (148) 171)

**Oncology**

Tumor marker; Tumor antigen; Hormone receptor; Immunanalysis (Magdelénat, H. (150) 133)

**One-step sandwich immunoassay**

Antibody; Capture antibody; Labeled antibody; Capacity; 'Hook' effect (Fernando, S.A. (151) 47)

**Organic anion transport**

Electroporation; Lucifer Yellow; Lymphocyte; Probenecid (Dinchuk, J.E. (155) 257)

**Oscillating bubble dialysis chamber**

Simple roller; High cell density; In vitro production of MAbs (Pannell, R. (146) 43)

**Ovalbumin**

Class I major histocompatibility complex antigen; Cationic liposome; Polylysine; Phorbol ester (Nair, S. (152) 237)

# P

**p24 antigen**

Intracellular; Immunofluorescence; Monoclonal antibody; HIV; Flow cytometry (Heynen, C.A. (152) 25)

**Parameter estimation**

Binding constant; Binding site; Cell surface antigen; Flow cytometry; Monoclonal antibody, fluorescent; Gene dosage; Gene expression; Lectin; Non-linear regression (Bardsley, W.G. (153) 235)

**Parasite**

IgA; Monoclonal antibody; *Eimeria tenella* (Hoare, J.A. (153) 161)

**Parathymosin**

ELISA; Thymic polypeptide (Economou, M. (148) 87)

**Parathyroid hormone-related protein**

Monoclonal antibody; Two-site immunoradiometric assay; Western blot (Ratcliffe, W.A. (146) 33)

**Partitioning**

Monoclonal antibody; Two-phase system; Thiophilic adsorption; Cell culture medium (Sulk, B. (149) 165)

**Penicillinase**

Enzyme immunosorbent assay; Prolactin, mouse (Tomita, Y. (151) 269)

**Pepsin**

Anti-collagen antibody; ELISA; Proteoglycan; Rheumatoid arthritis (Williams, R.O. (147) 93)

**Peptide**

Biospecific interaction analysis (BIAcore); Antibody-antigen interaction; Polyclonal serum; HIV-1; gp160; Affinity (Van-Cott, T.C. (146) 163)

Anti-peptide antibody; Peptide-mannan conjugate; Specific antibody; ELISA (Okawa, Y. (149) 127)

**Peptide antibody**

HLA class II molecule; In vitro immunization; ELISA; Immunoblotting; FACS analysis (Petersen, J.S. (151) 15)

**Peptide antigen**

Cell-mediated cytotoxicity; Colorimetric assay; Kinetics; Major histocompatibility complex antigen; Maternally transmitted antigen; Homoscedasticity (Rodgers, J.R. (152) 159)

**Peptide-based ELISA**

Streptavidin-biotin interaction; Biotinylated peptide; HIV-1/2; AIDS (Ivanov, V.S. (153) 229)

**Peptide binding**

Major histocompatibility complex class II chain; Chromatography, high performance electrophoresis; Preparative electroelution (Passmore, D. (155) 193)

**Peptide hormone**

Immunosorption; Gastrin Biosynthesis; Precursor; Radioimmunoassay (Rehfeld, J.F. (153) 7)

**Peptide-mannan conjugate**

Anti-peptide antibody; Peptide; Specific antibody; ELISA (Okawa, Y. (149) 127)

**Periodate**

Carbohydrate; Mucin; Epitope; Immunoperoxidase (Bara, J. (149) 105)

**Peripheral blood lymphocyte separation**

Platelet removal using ADP aggregation (Castell, L.M. (146) 49)

**Peroxidase-linked enzyme immunoassay**

Tumor necrosis factor  $\alpha$ ; ELISA (Lamb, W.R. (155) 215)

**Peroxisomal biogenesis**

Catalase; Monoclonal antibody; Peroxisome (Wiemer, E.A.C. (151) 165)

**Peroxisome**

Catalase; Monoclonal antibody; Peroxisomal biogenesis (Wiemer, E.A.C. (151) 165)

**Phagocyte**

Neutrophil; Hydrogen peroxide; Superoxide; NADPH oxidase (Anderson, R. (155) 49)

**Phagocytosis**

Fc $\gamma$  receptor; Monoclonal antibody; Biotin; Streptavidin (Edberg, J.C. (148) 179)

Macrophage; Erythrocyte; Antibody-dependent cell-mediated cytotoxicity; 2,7-Diaminofluorene (Gebran, S.J. (151) 255)

Tumor necrosis factor; Monocyte; Interleukin; U937 cell line (Jiang, W.G. (152) 201)

**Phagocytosis (quantitative study of)**

Yeast;  $\alpha$ -Mannan; Cytochalasin B; Chloroquine (Giannis, J. (154) 185)

**Phenobarbital**

Non-radioisotopic immunoassay; Metal carbonyl tracer; Cyanantrene; Fourier transform infrared spectroscopy (Salmann, M. (148) 65)

**Phenotype**

Lymphocyte; Polarization; Locomotion (Newman, I. (147) 43)

***p*-Phenylenediamine**

Apoptosis; Tumor necrosis factor (Salcedo, T.W. (148) 209)

**Phorbol ester**

Class I major histocompatibility complex antigen; Ovalbumin; Cationic liposome; Polylysine (Nair, S. (152) 237)

**Photobleaching**

Antibody affinity; Binding constant; Screening; Diffusion; Antigen expression (Kaufman, E.N. (155) 1)

**PKH-2**

Multiparameter flow cytometry; Cell tracking dye (Festin, R. (154) 47)

**Placenta**

Pregnancy; Immunology; Mononuclear cell; Cell culture (Rasheed, F.N. (146) 185)

**Planning and evaluation**

Computer program; Microplate; Immunomodulation test (Siman, P. (146) 1)

**Plant tubulin**

Yolk IgG; Yolk antibody; (Chicken) (McCune, C. (155) 267)

**Plasma**

Type IV collagenase; Gelatinase; ELISA; Pregnancy (Zucker, S. (148) 189)

Granule membrane protein-140; Monoclonal antibody; Enzyme immunoassay; CD62; P-Selectin (Katayama, M. (153) 41)

Enzyme immunoassay; False-positive reaction; Interferon- $\gamma$ ; Tuberculosis; (Bovine) (Jones, S.L. (155) 233)

**Plasma, human**

Monoclonal antibody; Second antibody; Immunoglobulin  $\kappa$  chain; Plasma, rabbit; Affinity; Immunoassay (Reed, G.L. (147) 111)

**Plasma, rabbit**

Monoclonal antibody; Second antibody; Immunoglobulin  $\kappa$  chain; Plasma, human; Affinity; Immunoassay (Reed, G.L. (147) 111)

***Plasmodium falciparum***

Glutamate-rich protein; ELISA capture; IgM; IgG; Recombinant fusion protein (Dziegiel, M. (155) 207)

**Plated anti-immunoglobulin**

Cyclic adenosine 3',5'-monophosphate; ELISA; ELISA, competitive (Linden, J. (151) 209)

**Platelet**

Transforming growth factor  $\beta$ ; Bioassay (Merino, J. (153) 151)

**Platelet-activating factor**

Quantitation of platelet-activating factor; Platelet-activating factor in blood (Cooney, S.J. (151) 131)

**Platelet-activating factor in blood**

Platelet-activating factor; Quantitation of platelet-activating factor (Cooney, S.J. (151) 131)

**Platelet removal using ADP aggregation**

Peripheral blood lymphocyte separation (Castell, L.M. (146) 49)

***Pneumocystis carinii* pneumonitis**

Complement activation; Bronchoalveolar lavage fluid; Bronchial asthma; Sarcoidosis; Complement C3, C3a (Van de Graaf, E.A. (147) 241)

**Polarization**

Lymphocyte; Locomotion; Phenotype (Newman, I. (147) 43)

**Poly**

Solid phase; ELISA; Capture antibody; Adsorption; Denaturation (Butler, J.E. (150) 77)

**Polyclonal antibody population**

Affinity; ELISA (Bruderer, U. (151) 157)

**Polyclonal serum**

Biospecific interaction analysis (BIAcore); Antibody-antigen interaction; HIV-1; gp160; Peptide; Affinity (VanCott, T.C. (146) 163)

**Poly-L-lysine**

*Haemophilus influenzae* type b; ELISA; Polyribosylribitol phosphate; Monoclonal antibody (Herrmann, D.J. (148) 101)

Lipopolysaccharide; ELISA; Polymyxin B (Takahashi, K. (153) 67)

**Polylysine**

Class I major histocompatibility complex antigen; Ovalbumin; Cationic liposome; Phorbol ester (Nair, S. (152) 237)

**Polymerase chain reaction**

DNA enzyme immunoassay; T cell receptor (Bettinardi, A. (146) 71)

Immunoglobulin; Gene; cDNA; Specificity repertoires; Allergy (Walker, M.R. (149) 77)

Cytokine; Interleukin-3 receptor, murine (Fung, M.-C. (149) 97)

Hybridization; Enzyme; Oligonucleotide; Non-isotopic (Chikhaoui, Y. (150) 51)

Cytokine; Gene; Quantitation (Carding, S.R. (151) 277)

Baculovirus expression; Immunization; Monoclonal antibody; Lymphocyte cell surface antigen (De Boer, M. (152) 15)

Expression vector; Chimeric antibody; Immunoglobulin expression (Coloma, M.J. (152) 89)

HLA-DR typing; Reverse dot-blot hybridization; Sequence-specific oligonucleotide (Abe, A. (154) 205)

**Polymorph**

Leukocyte cellular adhesion molecule; CD11a/CD18; Flow cytometry; Lymphocyte; Monocyte (Hamblin, A. (146) 219)

**Polymorphonuclear leukocyte**

Chemotaxis; Boyden chamber; Separation method; Adhesion; Whole blood (Rice, J.E. (149) 121)

Microchemotaxis chamber; Densitometer; Quantification (Misso, N.L.A. (149) 183)

**Polymyxin B**

Lipopolysaccharide; ELISA; Poly-L-lysine (Takahashi, K. (153) 67)

**Polyribosylribitol phosphate**

*Haemophilus influenzae* type b; ELISA; Poly-L-lysine; Monoclonal antibody (Herrmann, D.J. (148) 101)

**Polysaccharide**

Hemolytic plaque-forming cell assay; Tetanus toxoid; Diphtheria toxoid; IgG; Affinity; Avidity (Barrington, T. (146) 129)

**Polysaccharide, cryptococcal**

*Cryptococcus neoformans*; Monoclonal antibody, mouse; Immunoglobulin, mouse; ELISA (Casadevall, A. (154) 27)

**Polyspecific**

B cell; Cross-reactivity; ELISPOT; (Chamber); (Antigen) (Klinman, D.M. (152) 217)

**Polystyrene latex particle**

Monoclonal antibody; Adsorption; Low pH treatment (Van Erp, R. (152) 191)

**Polyvinyl chloride**

Immunoassay; Ligand adsorption; Kinetics of adsorption (Zalazar, F.E. (152) 1)

**Post-transfusion hepatitis**

ELISA; Hepatitis C virus; Non-A, non-B hepatitis; Viral core protein (Yoshikawa, A. (148) 143)

**Precision**

ELISA quality control; Antibody capture ELISA; *Dichelobacter nodosus* (Whittington, R.J. (148) 57)

**Precision profile**

Immunoassay; Statistics; Replicate (Delaage, M. (150) 103)

**Precursor**

Immunosorption; Peptide hormone; Gastrin Biosynthesis; Radioimmunoassay (Rehfeld, J.F. (153) 7)

**Pregnancy**

Immunology; Placenta; Mononuclear cell; Cell culture (Rasheed, F.N. (146) 185)

Type IV collagenase; Gelatinase; ELISA; Plasma (Zucker, S. (148) 189)

**Prelabeling**

Long term cytotoxic assay; Methionine, [<sup>35</sup>S]-; <sup>51</sup>Chromium (Katz, A. (149) 255)

**Preparative electroelution**

Major histocompatibility complex class II chain; Chromatography, high performance electrophoresis; Peptide binding (Passmore, D. (155) 193)

**Preparative procedures**

Neutrophil; Antigen expression; Flow cytometry (Macey, M.G. (149) 37)

**Primary antibody deficiency**

ELISA; Specific IgG; Cell wall mannan; *Candida albicans* (Faux, J.A. (153) 167)

**Primed and unprimed T cells**

Limiting dilution analysis; T helper cell; Alloreactivity (Deacock, S. (147) 83)

**Probe-based assay**

Acoustic microstreaming; Diffusion; Insonation; ELISA; Incubation; Automation (Boraker, D.K. (155) 91)

**Probenecid**

Electroporation; Lucifer Yellow; Lymphocyte; Organic anion transport (Dinchuk, J.E. (155) 257)

**Prolactin, mouse**

Enzyme immunosorbent assay; Penicillinase (Tomita, Y. (151) 269)

**Proliferating lymphocyte subset**

5-Bromo-2-deoxyuridine; Flow cytometry (Carayon, P. (147) 225)

**Proliferation**

Myeloma cell, mouse; Soluble chimeric CD4-H $\gamma$ 1 receptor (Schlaeger, E.-J. (146) 111)

ELISA; CELISA; cell-ELISA; Cell surface; spot-ELISA; ELISPOT; Enzyme immunoassay; Cytokine; Antibody-secreting cell (Sedgwick, J.D. (150) 159)

B lymphocyte; Stimulation; Flow cytometry (Storek, J. (151) 261)

Mycoplasma; Splenocyte; Inhibition; Stimulation (Alzani, R. (152) 35)

**Proliferation assay**

LAK cell; DNA staining; Fluorochrome; Propidium iodide; 4,6-Diamidine-2-phenylindol-dihydrochloride; Acridine orange; Hoechst H333342 (Vollenweider, I. (149) 133)

**Propidium iodide**

Proliferation assay; LAK cell; DNA staining; Fluorochrome; 4,6-Diamidine-2-phenylindol-dihydrochloride; Acridine orange; Hoechst H333342 (Vollenweider, I. (149) 133)

**Prostaglandin**

Time-resolved fluoroimmunoassay; Europium; Biotin-avidin (Lüke, F.J. (148) 217)

**Protein adsorption to plastic**

ELISA; Antibody specificity; Protein denaturation; Cytochrome *c* (Schwab, C. (147) 125)

**Protein A leakage**

Chromatography, affinity; Monoclonal antibody, murine; Antibody, chicken; ELISA (Godfrey, M.A.J. (149) 21)

**Proteinase inhibitor**

Cystatin superfamily; Kininogen; Anti-peptide antibody (Lalmanach, G. (149) 197)

**Protein denaturation**

ELISA; Antibody specificity; Protein adsorption to plastic; Cytochrome *c* (Schwab, C. (147) 125)

**Protein kinase C**

Electroporation; Cytolytic T lymphocyte; Calcium (Langlet, C. (151) 107)

**Protein purification**

Monoclonal antibody; ELISA; Quantitation (Brooks, D.A. (155) 129)

**Proteoglycan**

Anti-collagen antibody; ELISA; Pepsin; Rheumatoid arthritis (Williams, R.O. (147) 93)

**Proteolytic degradation**

IgG; IgG-polyethylene glycol conjugate; Enzyme (Cunningham-Rundles, C. (152) 177)

**Pulmonary inflammation**

Tumor necrosis factor, guinea pig; Antibody cross-reactivity (Ruppel-Kerr, R. (154) 179)

**Purification**

Basophilic granulocyte, human; Immunomagnetic bead (Mul, F.P.J. (149) 207)

## Q

**Quality control test**

Lymphocyte number; Immunophenotyping; CD4 T lymphocyte; CD8 T lymphocyte; Automatic device (Aboulker, J.P. (154) 155)

**Quantification**

Microchemotaxis chamber; Densitometer; Polymorphonuclear leukocyte (Misso, N.L.A. (149) 183)

**Quantitation**

Polymerase chain reaction; Cytokine; Gene (Carding, S.R. (151) 277)

Monoclonal antibody; Protein purification; ELISA (Brooks, D.A. (155) 129)

**Quantitation of platelet-activating factor**

Platelet-activating factor; Platelet-activating factor in blood (Cooney, S.J. (151) 131)

**Quantitative Western blot analysis**

Time-resolved fluorometry; Europium chelate; Non-isotopic detection (Diamandis, E.P. (147) 251)

# R

**Radioallergosorbent test**

IgE antibody; Benzyl penicilloyl hapten-poly-L-lysine conjugate; Benzyl penicilloyl hapten-human serum albumin conjugate (Blanca, M. (153) 99)

**Radioimmunoassay**

Interleukin-6; Monocyte, human (Peppard, J.V. (148) 23)

ELISA; Monoclonal antibody; Interleukin-1 $\beta$ ; Interleukin-1 receptor antagonist (Dinarelo, C.A. (148) 255)

Interleukin-8; ELISA; Monoclonal antibody (Ko, Y.-c. (149) 227)

ELISA; Atrial natriuretic factor; Analogue (Ingwersen, S.H. (149) 237)

Histamine; Single isotope enzymatic assay; Automated spectrofluorometer; Bronchoalveolar lavage fluid; (Lung) (Erger, R.A. (152) 115)

Immunosorption; Peptide hormone; Gastrin Biosynthesis; Precursor (Rehfeld, J.F. (153) 7)

Autoimmune thyroid disease; Insulin; Autoantibody (Hege-ward, M.J. (154) 61)

**Radiolabel**

Lipopolysaccharide; Lipid A; Endotoxin (Munford, R.S. (148) 115)

**Random sequence**

Epitope; Mimotope; Expression library (Lenstra, J.A. (152) 149)

**Rapidly progressive glomerulonephritis**

Anti-neutrophil cytoplasm antibody; Wegener's granulomatosis; Microscopic polyarteritis; Anti-myeloperoxidase antibody (Chevailler, A. (147) 101)

**Recombinant antigen**

Anti-Ro/SS-A; Anti-La/SS-B; ELISA; Autoantigen; Autoantibody (Veldhoven, C.H.A. (151) 177)

**Recombinant fusion protein**

*Plasmodium falciparum*; Glutamate-rich protein; ELISA capture; IgM; IgG (Dziegiel, M. (155) 207)

**Recovery**

Blood collection; Anticoagulant; Spiked recombinant cytokine; Immunoassay; Stability (Thavasu, P.W. (153) 115)

**Repertoire cloning**

HIV-1; gp120; Monoclonal antibody; Anti-idiotypic (Kasai, Y. (155) 77)

**Replicate**

Immunoassay; Precision profile; Statistics (Delaage, M. (150) 103)

**Reporter molecule**

Chimeric protein A/protein G; Chimeric protein G/alkaline phosphatase; pGEX (Sun, S. (152) 43)

**Resampling technique**

Immunoassay; Response/error relationship; Imprecision profile (Chiecchio, A. (147) 211)

**Responder**

Statistical method; Data analysis; Lymphoproliferation assay (Bennett, S. (146) 229)

**Response / error relationship**

Immunoassay; Imprecision profile; Resampling technique (Chiecchio, A. (147) 211)

**Restoring antibody activity**

Chromatography, high performance liquid; Monoclonal antibody preparation; Loss of antibody activity; Autoantigen blockage (Ma, J. (155) 121)

**Reverse dot-blot hybridization**

HLA-DR typing; Sequence-specific oligonucleotide; Polymerase chain reaction (Abe, A. (154) 205)

**Rheumatoid arthritis**

Anti-collagen antibody; ELISA; Proteoglycan; Pepsin (Williams, R.O. (147) 93)



**Rheumatoid factor immunoblot assay**

IgG rheumatoid factor; (Human) (Newkirk, M.M. (148) 93)

**Ribi adjuvant**

Freund's adjuvant; [L-Tyr,L-Glu,DL-Ala]-Poly-L-lysine; Immune response; Antibody affinity; Adjuvant side effects; Granuloma; Creatinine kinase; (Rabbit) (Deeb, B.J. (152) 105)

**Ribosome-inactivating protein**

Toxin; Immunotoxin (Strocchi, P. (155) 57)

**Ricin**

Liposome immune lysis assay; Gelonin; Ricin A chain; Calcein (Paul, A. (148) 151)

**Ricin A chain**

Liposome immune lysis assay; Gelonin; Ricin; Calcein (Paul, A. (148) 151)

**Rosetting anti-globulin test**

Blood genital tract barrier; Anti- $\alpha$ -galactosyl; Seminal fluid; Transudation of antibodies (Galili, U. (151) 117)

**Rotofor cell**

Liquid phase isoelectric focusing; Interleukin-1; Inhibitor; Myelomonocytic; (Human) (Peritt, D. (155) 159)

# S

**Saliva, human**

Microsphere; Blood group antigen; Agglutination; Blood typing; Capillary tube (Yazawa, S. (147) 21)

**Salmonella enteritidis**

Monoclonal antibody; Environmental samples; ELISA (Brigmon, R.L. (152) 135)

**Sandwich immunoassay**

Testosterone dimer; Testosterone; Testosterone-3-(*O*-carboxymethyl)oxime (Ali, E. (147) 173)

Testosterone dimer; Heterology; Testosterone-3-(*O*-carboxymethyl)oxime; 4-(Carboxymethylmercapto) testosterone; Testosterone-17-hemisuccinate; Cross-reactivity; 5 $\alpha$ -Dihydrotestosterone (Sengupta, J. (147) 181)

**Sarcoidosis**

Complement activation; Bronchoalveolar lavage fluid; Bronchial asthma; *Pneumocystis carinii* pneumonitis; Complement C3, C3a (Van de Graaf, E.A. (147) 241)

**Saturability**

Effector-target interaction; Conjugate frequency; Affinity; Natural killer cell (Garcia-Peñarrubia, P. (155) 133)

**Scale up**

Serum-free medium; Human hybridoma; Monoclonal antibody (Lang, A.B. (154) 21)

**Schistosoma**

Magnetic bead; Microsphere; Antigen detection; ELISA; Circulating anodic antigen; Tropical medicine; Epidemiology; Monoclonal antibody; Microtiter (Gundersen, S.G. (148) 1)

**Screening**

Antibody affinity; Binding constant; Photobleaching; Diffusion; Antigen expression (Kaufman, E.N. (155) 1)

**Second antibody**

Monoclonal antibody; Immunoglobulin  $\kappa$  chain; Plasma, human; Plasma, rabbit; Affinity; Immunoassay (Reed, G.L. (147) 111)

**P-Selectin**

Granule membrane protein-140; Monoclonal antibody; Enzyme immunoassay; Plasma; CD62 (Katayama, M. (153) 41)

**Selection method**

Cell line; Hybridoma, human (Hundhausen, T. (153) 21)

**Seminal fluid**

Blood genital tract barrier; Anti- $\alpha$ -galactosyl; Transudation of antibodies; Rosetting anti-globulin test (Galili, U. (151) 117)

**Sensitivity**

Enzyme immunoassay; IgM antibody, rabbit; Complement (Kuhn, H.-M. (155) 201)

**Separation method**

Polymorphonuclear leukocyte; Chemotaxis; Boyden chamber; Adhesion; Whole blood (Rice, J.E. (149) 121)

**Sephadex G-10**

Isolation procedure; Nylon wool column; Magnetic bead; Dendritic cell; Antigen presentation; T cell (Havenith, C.E.G. (153) 73)

**Sequence-specific oligonucleotide**

HLA-DR typing; Reverse dot-blot hybridization; Polymerase chain reaction (Abe, A. (154) 205)

**Serodiagnosis**

Branched peptide; AIDS; ELISA (Marsden, H.S. (147) 65)

**Seroprevalence**

HIV-1; Western blot; Dried blood spot (Granade, T.C. (154) 225)

**Serum assay**

DNase I; Inhibitor; Enzyme assay; Immunoassay; Endogenous DNase (Gibson, U.E.M. (155) 249)

**Serum-free medium**

Lymphocyte proliferation; Mitogen; Mixed lymphocyte culture; Antigen specific (Kaldjian, E.P. (147) 189)

Human hybridoma; Monoclonal antibody; Scale up (Lang, A.B. (154) 21)

**Simian immunodeficiency virus glycoprotein**

ELISA; HIV; *Galanthus nivalis* lectin (Mahmood, N. (151) 9)

**Simple roller**

Oscillating bubble dialysis chamber; High cell density; In vitro production of MAbs (Pannell, R. (146) 43)

**Simultaneous synthesis**

Conjugation method; Synthetic peptide; Antipeptide antibody (Maeji, N.J. (146) 83)

**Single isotope enzymatic assay**

Histamine; Radioimmunoassay; Automated spectrofluorometer; Bronchoalveolar lavage fluid; (Lung) (Erger, R.A. (152) 115)

**Small-cell carcinoma of the lung**

Neuron-specific enolase, human; Monoclonal antibody; Synthetic peptide; ELISA, double-antibody sandwich (Duncan, M.E. (151) 227)

**Snake venom identification**

Novel field assay; Enzyme immunoassay (Cox, J.C. (146) 213)

**Solid phase**

ELISA; Capture antibody; Adsorption; Denaturation; Poly (Butler, J.E. (150) 77)

**Solid-phase binding test**

Interferon- $\gamma$ , human; Interferon- $\gamma$  receptor; Soluble receptor; Interferon- $\gamma$  antagonist (Ozmen, L. (147) 261)

**Soluble CD14**

ELISA; Biological fluid (Grunwald, U. (155) 225)

**Soluble chimeric CD4-H $\gamma$ 1 receptor**

Myeloma cell, mouse; Proliferation (Schlaeger, E.-J. (146) 111)

**Soluble receptor**

Interferon- $\gamma$ , human; Interferon- $\gamma$  receptor; Solid-phase binding test; Interferon- $\gamma$  antagonist (Ozmen, L. (147) 261)

**Soluble suppressor molecule**

CD8<sup>+</sup> suppressor T cell clone; Major histocompatibility complex restriction; V $\beta$ 8 family (Hu, F.-y. (152) 123)

**Spacer**

Hapten; Competitive inhibition; ELISA; Conjugate (Kachab, E.H. (147) 33)

**Species differentiation of mycoplasmas**

Mycoplasma; Elongation factor Tu; Monoclonal antibody (Kamla, V. (147) 73)

**Specific antibody**

Anti-peptide antibody; Peptide; Peptide-mannan conjugate; ELISA (Okawa, Y. (149) 127)

**Specific IgG**

ELISA; Cell wall mannan; *Candida albicans*; Primary antibody deficiency (Faux, J.A. (153) 167)

**Specificity repertoires**

Immunoglobulin; Gene; cDNA; Polymerase chain reaction; Allergy (Walker, M.R. (149) 77)

**Spiked recombinant cytokine**

Blood collection; Anticoagulant; Immunoassay; Stability; Recovery (Thavasu, P.W. (153) 115)

**Spleen**

Liposome; In vivo; Macrophage; Liver; Fluorescence; Marginal zone (Claassen, E. (147) 231)

B cell; Immunocytochemistry; Enzyme; In situ; (Antibody) (Claassen, E. (150) 207)

**Spleen cell, mouse**

Mast cell induction; Mast cell identification; Mitogen response of mast cells (Hu, Z.-Q. (149) 173)

**Splenocyte**

Mycoplasma; Proliferation; Inhibition; Stimulation (Alzani, R. (152) 35)

**SSEA-1**

Immunomagnetic; Cell separation; Dynabeads; Differentiation; Cell growth; Flow cytometry (Swann, I.D. (152) 245)

**STa antibody immunoassay**

STa enterotoxin; Avidin-biotin interaction; ELISA (Germani, Y. (146) 25)

**Stability**

Blood collection; Anticoagulant; Spiked recombinant cytokine; Immunoassay; Recovery (Thavasu, P.W. (153) 115)

**STa enterotoxin**

STa antibody immunoassay; Avidin-biotin interaction; ELISA (Germani, Y. (146) 25)

**Staining method**

Immunofluorescence analysis; Lymphocyte subsets (Pechhold, K. (147) 135)

**Staphylococcal protein A**

Streptococcal protein G; Agonistic antibody; B cell, human; CD43; CD40 (Jakobson, E. (152) 49)

**Statistical method**

Data analysis; Lymphoproliferation assay; Responder (Bennett, S. (146) 229)

**Statistics**

Immunoassay; Precision profile; Replicate (Delaage, M. (150) 103)

**Stimulation**

B lymphocyte; Proliferation; Flow cytometry (Storek, J. (151) 261)

Mycoplasma; Proliferation; Splenocyte; Inhibition (Alzani, R. (152) 35)

**Streptavidin**

Fc $\gamma$  receptor; Phagocytosis; Monoclonal antibody; Biotin (Edberg, J.C. (148) 179)

Europium; Time-resolved fluorometry; Fluoroimmunoassay; Follicle stimulating hormone; Thyroid stimulating hormone; DELFIA (Suonpää, M. (149) 247)

**Streptavidin-biotin interaction**

Biotinylated peptide; Peptide-based ELISA; HIV-1/2; AIDS (Ivanov, V.S. (153) 229)

**Streptococcal protein G**

Staphylococcal protein A; Agonistic antibody; B cell, human; CD43; CD40 (Jakobson, E. (152) 49)

***Streptococcus agalactiae***

Group B streptococci; Affinity purification; Oligosaccharide epitope; Trirhamnose, ELISA (Chalifour, R.J. (154) 69)

**Substrate-labeled fluorescence immunoassay**

Enzyme immunoassay; Enzyme-multiplied immunoassay technique; Apoenzyme reactivation immunoassay; Cofactor-labeled; Inhibitor-labeled (Jenkins, S.H. (150) 91)

**Superoxide**

Neutrophil; Phagocyte; Hydrogen peroxide; NADPH oxidase (Anderson, R. (155) 49)

**Surface antigen**

Defined medium; Monocyte; Monokine; Differentiation (Bennett, S. (153) 201)

**Surface effect**

Enzyme immunoassay; Artifact; Limitation; Interference; Cross-reactivity; Homogeneous (Pesce, A.J. (150) 111)

**Surface immunoglobulin**

B cell malignancy; Dual fluorescence flow cytometry; Lymphocyte subsets (Reynolds, W.M. (151) 123)

**Synthetic peptide**

Conjugation method; Simultaneous synthesis; Antipeptide antibody (Maeji, N.J. (146) 83)

Neuron-specific enolase, human; Monoclonal antibody; ELISA, double-antibody sandwich; Small-cell carcinoma of the lung (Duncan, M.E. (151) 227)

Cytotoxic T lymphocyte; Influenza A virus; Immunization (Zhou, X. (153) 193)

Immune response; Cytotoxic T lymphocyte; Helper epitope; Malaria (Widmann, C. (155) 95)

**Systemic lupus erythematosus**

Immune complex; Conglutinin; Anti-collagen antibody (Holmskov, U. (148) 225)

Brain-reactive autoantibody; ELISA (Crimando, J. (149) 87)

# T

**Targeting**

Monoclonal antibody; Alkaline phosphatase; Macrophage; Horseradish peroxidase; Coupling; Enzyme conjugate; (Mice) (Van Rooijen, N. (151) 149)

**T cell**

Autoimmune disease; Autoantigen; Autoantibody (Druet, P. (150) 177)

Isolation procedure; Nylon wool column; Magnetic bead; Sephadex G-10; Dendritic cell; Antigen presentation (Havenith, C.E.G. (153) 73)

 **$\alpha\beta$  T cell**

Hepatic lymphocyte; Intermediate TcR cell; Extrathymic T cell (Watanabe, H. (146) 145)

**T cell activation**

T cell antigen receptor; CD3; Transfection (Zumla, A. (149) 69)

**T cell antigen receptor**

CD3; Transfection; T cell activation (Zumla, A. (149) 69)

**T cell receptor**

DNA enzyme immunoassay; Polymerase chain reaction (Betinardi, A. (146) 71)

Autoimmune disease; (Antibody) (Basi, G.S. (155) 175)

#### **T cell stimulation**

Immunomagnetic particle; Human acetylcholine receptor (AChR); Antigen presentation; Autoreactive human T cell; Myasthenia gravis (Hawke, S. (155) 41)

#### **T cell subset**

Flow cytometry; Technical influence; Temperature of storage; Time (Ekong, T. (151) 217)

#### **Technetium-99m-labeled macromolecule**

Biological response modifiers; Tumor uptake enhancement (Thakur, M.L. (152) 209)

#### **Technical influence**

Flow cytometry; T cell subset; Temperature of storage; Time (Ekong, T. (151) 217)

#### **Temperature of storage**

Flow cytometry; T cell subset; Technical influence; Time (Ekong, T. (151) 217)

#### **Testosterone**

Direct enzyme immunoassay (Dhar, T.K. (147) 167)

Sandwich immunoassay; Testosterone dimer; Testosterone-3-(*O*-carboxymethyl)oxime (Ali, E. (147) 173)

#### **Testosterone dimer**

Sandwich immunoassay; Testosterone; Testosterone-3-(*O*-carboxymethyl)oxime (Ali, E. (147) 173)

Sandwich immunoassay; Heterology; Testosterone-3-(*O*-carboxymethyl)oxime; 4-(Carboxymethylmercapto) testosterone; Testosterone-17-hemisuccinate; Cross-reactivity; 5 $\alpha$ -Dihydrotestosterone (Sengupta, J. (147) 181)

#### **Testosterone-17-hemisuccinate**

Sandwich immunoassay; Testosterone dimer; Heterology; Testosterone-3-(*O*-carboxymethyl)oxime; 4-(Carboxymethylmercapto) testosterone; Cross-reactivity; 5 $\alpha$ -Dihydrotestosterone (Sengupta, J. (147) 181)

#### **Testosterone-3-(*O*-carboxymethyl)oxime**

Sandwich immunoassay; Testosterone dimer; Testosterone (Ali, E. (147) 173)

Sandwich immunoassay; Testosterone dimer; Heterology; 4-(Carboxymethylmercapto) testosterone; Testosterone-17-hemisuccinate; Cross-reactivity; 5 $\alpha$ -Dihydrotestosterone (Sengupta, J. (147) 181)

#### **Tetanus toxoid**

Hemolytic plaque-forming cell assay; Polysaccharide; Diphtheria toxoid; IgG; Affinity; Avidity (Barrington, T. (146) 129)

#### **Tetrazolium**

Cellular cytotoxicity assay; Colorimetric; Melanoma; Natural killer cell; XTT (Jost, L.M. (147) 153)

#### **T helper cell**

Limiting dilution analysis; Alloreactivity; Primed and unprimed T cells (Deacock, S. (147) 83)

#### **T helper hybridoma**

Antigen-specific B cell; Hapten-carrier model; In vitro immunization (Schilizzi, B.M. (153) 49)

#### **Thiophilic adsorption**

Monoclonal antibody; Partitioning; Two-phase system; Cell culture medium (Sulk, B. (149) 165)

#### **Thymic polypeptide**

Parathymosin; ELISA (Economou, M. (148) 87)

#### **Thymocyte**

Apoptosis; Multicolor flow cytometry (Hardin, J.A. (154) 99)

#### **Thymocyte apoptosis**

DNA fragmentation; Flow cytometry; Lymphocyte irradiation (Ojeda, F. (152) 171)

#### **Thymosin $\beta_4$**

Thymosin  $\beta_4$ [1–11]; Thymosin  $\beta_4$ [1–14]; Antibodies against thymosin  $\beta_4$ , thymosin  $\beta_4$ [1–11], or thymosin  $\beta_4$ [1–14]; Thymosin  $\beta_9$ ; ELISA (Livaniou, E. (148) 9)

#### **Thymosin $\beta_4$ [1–11]**

Thymosin  $\beta_4$ ; Thymosin  $\beta_4$ [1–14]; Antibodies against thymosin  $\beta_4$ , thymosin  $\beta_4$ [1–11], or thymosin  $\beta_4$ [1–14]; Thymosin  $\beta_9$ ; ELISA (Livaniou, E. (148) 9)

#### **Thymosin $\beta_4$ [1–14]**

Thymosin  $\beta_4$ ; Thymosin  $\beta_4$ [1–11]; Antibodies against thymosin  $\beta_4$ , thymosin  $\beta_4$ [1–11], or thymosin  $\beta_4$ [1–14]; Thymosin  $\beta_9$ ; ELISA (Livaniou, E. (148) 9)

#### **Thymosin $\beta_9$**

Thymosin  $\beta_4$ ; Thymosin  $\beta_4$ [1–11]; Thymosin  $\beta_4$ [1–14]; Antibodies against thymosin  $\beta_4$ , thymosin  $\beta_4$ [1–11], or thymosin  $\beta_4$ [1–14]; ELISA (Livaniou, E. (148) 9)

#### **Thyroid stimulating hormone**

Europium; Streptavidin; Time-resolved fluorometry; Fluoroimmunoassay; Follicle stimulating hormone; DELFIA (Suonpää, M. (149) 247)

#### **Thyroid tissue**

In situ hybridization; Interferon- $\gamma$ ; Interleukin-6; Interleukin-1 (Rutenfranz, I. (148) 233)

#### **Time**

Flow cytometry; T cell subset; Technical influence; Temperature of storage (Ekong, T. (151) 217)

**Time-resolved fluoroimmunoassay**

Dissociation-enhanced lanthanide fluoroimmunoassay; Tumor necrosis factor  $\alpha$ ; Interleukin-6; Cytokine (Ogata, A. (148) 15)

Europium; Prostaglandin; Biotin-avidin (Lüke, F.J. (148) 217)

**Time-resolved fluorometry**

Quantitative Western blot analysis; Europium chelate; Non-isotopic detection (Diamandis, E.P. (147) 251)

Europium; Streptavidin; Fluoroimmunoassay; Follicle stimulating hormone; Thyroid stimulating hormone; DELFIA (Suonpää, M. (149) 247)

**TiterMax**

Immunoadjuvant; Complete Freund's adjuvant; Antibody titer (Bennett, B. (153) 31)

**Titration**

Biosynthetic human growth hormone; Competitive; Cooperativity; Monoclonal antibody; Circular antigen-antibody complex (Fernando, S.A. (151) 27)

**T lymphocyte**

Calcium; Activation; Flow cytometry; (Human) (Alexander, R.B. (148) 131)

**Toxin**

Ribosome-inactivating protein; Immunotoxin (Strocchi, P. (155) 57)

**Transfection**

T cell antigen receptor; CD3; T cell activation (Zumla, A. (149) 69)

Cytotoxic T lymphocyte; Vaccinia virus; Antigen presentation; T7 RNA polymerase (Eisenlohr, L.C. (154) 131)

**Transferrin**

Egg-yolk antibody; IgY; Immunized hen; Antibody purification; Affinity chromatography; Nephelometry (Ntakarutimana, V. (153) 133)

**Transforming growth factor  $\beta$** 

Platelet; Bioassay (Merino, J. (153) 151)

**Transmissible gastroenteritis coronavirus**

Viral determinant detection; Fixative; Immunoperoxidase (Tô, L.-T. (154) 195)

**Transudation of antibodies**

Blood genital tract barrier; Anti- $\alpha$ -galactosyl; Seminal fluid; Rosetting anti-globulin test (Galili, U. (151) 117)

**s-Triazine quantification**

Dextran carrier; ELISA; Monoclonal antibody (Böcher, M. (151) 1)

**Trirhamnose, ELISA**

*Streptococcus agalactiae*; Group B streptococci; Affinity purification; Oligosaccharide epitope (Chalifour, R.J. (154) 69)

**T7 RNA polymerase**

Cytotoxic T lymphocyte; Transfection; Vaccinia virus; Antigen presentation (Eisenlohr, L.C. (154) 131)

**Tropical disease**

Immunodiagnostic kits; Diagnostics (Talwar, G.P. (150) 121)

**Tropical medicine**

Magnetic bead; Microsphere; Antigen detection; ELISA; *Schistosoma*; Circulating anodic antigen; Epidemiology; Monoclonal antibody; Microtiter (Gundersen, S.G. (148) 1)

**Tuberculosis**

Enzyme immunoassay; False-positive reaction; Interferon- $\gamma$ ; Plasma; (Bovine) (Jones, S.L. (155) 233)

**Tumor antigen**

Tumor marker; Hormone receptor; Immunoanalysis; Oncology (Magdelénat, H. (150) 133)

Monoclonal antibody; Baculovirus recombinant; Antibody-directed cellular cytotoxicity assay (Nesbit, M. (151) 201)

**Tumor cell lysis**

Mouse complement; *Mus hortulanus* (Ong, G.L. (154) 37)

**Tumor infiltrating leukocyte**

Cell separation; Colorectal tumor cell; Monoclonal antibody HEA125; Epithelium specific; Immunomagnetic bead (Kemmer, W. (147) 197)

**Tumor infiltrating lymphocyte**

Glioma; Limiting dilution analysis (Tzeng, J.-J. (146) 177)

Colorectal tumor; Cell sorting (Durrant, L.G. (147) 57)

Tumor necrosis factor; Tumor necrosis factor receptor; ELISA, tumor necrosis factor; Gene therapy; Lymphokine secretion (Hwu, P. (151) 139)

**Tumor marker**

Tumor antigen; Hormone receptor; Immunoanalysis; Oncology (Magdelénat, H. (150) 133)

**Tumor necrosis factor**

Apoptosis; *p*-Phenylenediamine (Salcedo, T.W. (148) 209)

Tumor necrosis factor receptor; ELISA, tumor necrosis factor; Tumor infiltrating lymphocyte; Gene therapy; Lymphokine secretion (Hwu, P. (151) 139)

Monocyte; Interleukin; U937 cell line; Phagocytosis (Jiang, W.G. (152) 201)

**Tumor necrosis factor  $\alpha$** 

Dissociation-enhanced lanthanide fluoroimmunoassay; Time-resolved fluoroimmunoassay; Interleukin-6; Cytokine (Ogata, A. (148) 15)

Endotoxin; Lipopolysaccharide; Interleukin-1 $\alpha$ ; Interleukin-1 $\beta$ ; Interleukin-6 (Riches, P. (153) 125)

Peroxidase-linked enzyme immunoassay; ELISA (Lamb, W.R. (155) 215)

**Tumor necrosis factor, guinea pig**

Antibody cross-reactivity; Pulmonary inflammation (Ruppel-Kerr, R. (154) 179)

**Tumor necrosis factor receptor**

Tumor necrosis factor; ELISA, tumor necrosis factor; Tumor infiltrating lymphocyte; Gene therapy; Lymphokine secretion (Hwu, P. (151) 139)

**Tumor uptake enhancement**

Technetium-99m-labeled macromolecule; Biological response modifiers (Thakur, M.L. (152) 209)

**Two color immunofluorescence flow cytometry**

Cytokine; Monocyte (De Caestecker, M.P. (154) 11)

**Two-phase system**

Monoclonal antibody; Partitioning; Thiophilic adsorption; Cell culture medium (Sulk, B. (149) 165)

**Two-site immunoradiometric assay**

Monoclonal antibody; Parathyroid hormone-related protein; Western blot (Ratcliffe, W.A. (146) 33)

**Two-step sandwich immunoassay**

Antibody; Analyte; Capture antibody; Labeled antibody; Epitope (Fernando, S.A. (151) 67)

**Type IV collagenase**

Gelatinase; ELISA; Plasma; Pregnancy (Zucker, S. (148) 189)

**[L-Tyr,L-Glu,DL-Ala]-Poly-L-lysine**

Freund's adjuvant; Ribi adjuvant; Immune response; Antibody affinity; Adjuvant side effects; Granuloma; Creatinine kinase; (Rabbit) (Deeb, B.J. (152) 105)

**U****U937 cell line**

Tumor necrosis factor; Monocyte; Interleukin; Phagocytosis (Jiang, W.G. (152) 201)

**UCHL1**

Immunomagnetic; Microbeads; Dynabeads; CD45RO; Magnetic cell sorter (Manyonda, I.T. (149) 1)

**Ultrafiltration**

Culture supernatant; Monoclonal antibody (Saha, K. (151) 307)

**V****Vaccination**

IgG subclass; HBsAg (Borzi, R.M. (146) 17)

**Vaccine**

Helper T cell epitope; Fragment condensation; Multiple antigenic peptide; Coupling (McLean, G.W. (155) 113)

**Vaccinia virus**

Cytotoxic T lymphocyte; Transfection; Antigen presentation; T7 RNA polymerase (Eisenlohr, L.C. (154) 131)

**V $\beta$ 8 family**

CD8<sup>+</sup> suppressor T cell clone; Major histocompatibility complex restriction; Soluble suppressor molecule (Hu, F.-y. (152) 123)

**Viral core protein**

ELISA; Hepatitis C virus; Non-A, non-B hepatitis; Post-transfusion hepatitis (Yoshikawa, A. (148) 143)

**Viral determinant detection**

Transmissible gastroenteritis coronavirus; Fixative; Immunoperoxidase (Tô, L.-T. (154) 195)

**W****Washing**

Heterogeneous immunoassay; Microplate; Diffusion; Convection (Beumer, T. (154) 77)

**Wegener's granulomatosis**

Anti-neutrophil cytoplasm antibody; Microscopic polyarthritis; Rapidly progressive glomerulonephritis; Anti-myeloperoxidase antibody (Chevailler, A. (147) 101)

**Western blot**

Monoclonal antibody; Parathyroid hormone-related protein;  
Two-site immunoradiometric assay (Ratcliffe, W.A. (146) 33)

c-MYC protein; Lymphocyte (Spiller, D.G. (149) 29)

ELISA; Amplification (Bobrow, M.N. (150) 145)

*Escherichia coli* antigen; Antibody elution; Chaotropic ion;  
Cross-reaction (Hammerl, P. (151) 299)

Monoclonal antibody; Biotinylation; ELISA; Immunoabsorption  
(Schuh, R. (152) 59)

HIV-1; Dried blood spot; Seroprevalence (Granade, T.C.  
(154) 225)

**Whole blood**

Polymorphonuclear leukocyte; Chemotaxis; Boyden chamber;  
Separation method; Adhesion (Rice, J.E. (149) 121)

**X****X ray mutagenesis**

Lyt2<sup>-</sup> mutant; Magnetic particle; Immunoselection (Iannelli,  
D. (154) 211)

**XTT**

Cellular cytotoxicity assay; Colorimetric; Melanoma; Natural  
killer cell; Tetrazolium (Jost, L.M. (147) 153)

**Y****Yeast**

Phagocytosis (quantitative study of);  $\alpha$ -Mannan; Cytochalasin  
B; Chloroquine (Giannis, J. (154) 185)

**Yolk antibody**

Yolk IgG; Plant tubulin; (Chicken) (McCune, C. (155) 267)

**Yolk IgG**

Yolk antibody; Plant tubulin; (Chicken) (McCune, C. (155)  
267)