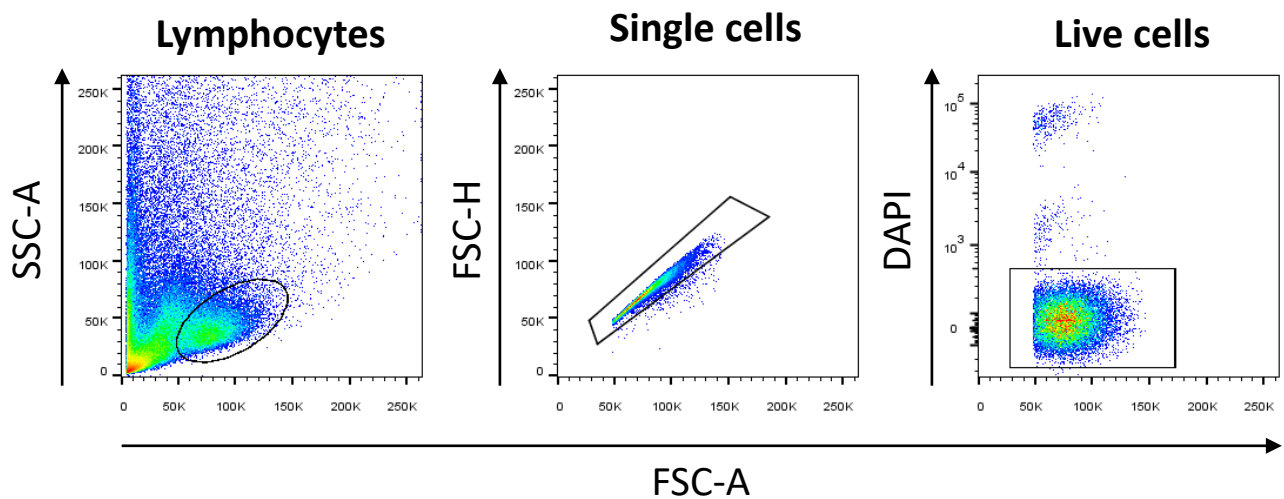
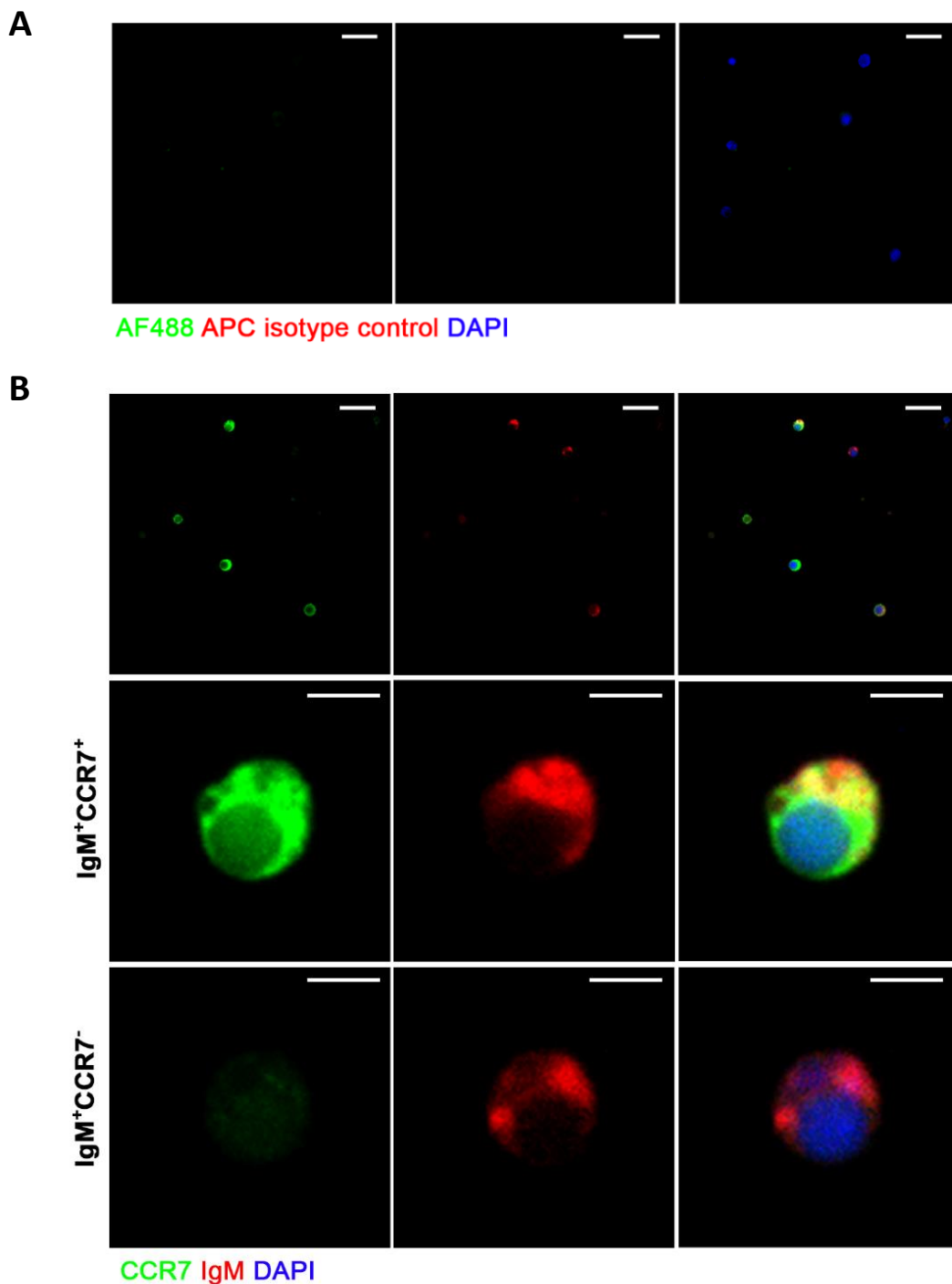




**Supplementary Figure 1. Gating strategy.** Leukocytes were isolated from trout skin. FSC/SSC profile including a defined gate for lymphoid cells is shown. FSC-H/FSC-A profile within the lymphoid gate indicates singlets. DAPI negative cells within singlet gate were gated in order to select alive cells.



**Supplementary Figure 2. Immunofluorescence analysis of skin lymphocytes under the confocal microscope. (A)** Images of isotype controls. Scale bars: 20  $\mu\text{m}$ . **(B)** Visualization of skin  $\text{IgM}^+\text{IgD}^-\text{CCR7}^+$  and  $\text{IgM}^+\text{IgD}^-\text{CCR7}^-$  B cells under the confocal microscope. Examples of each subset are shown. Scale bars: 20  $\mu\text{m}$  (upper images); 5  $\mu\text{m}$  (lower images).

**Supplementary Table 1.** List of primers used in this study for real-time PCR analysis of gene expression.

| Gene name           | Forward primer (5'-3')    | Reverse primer (5'-3')     |
|---------------------|---------------------------|----------------------------|
| <i>b-actin</i>      | TCCTTCCTCGGTATGGAGTCT     | TTACGGATGTCCACGTCACAC      |
| <i>ccr7a</i>        | TTCACTGATTACCCACAGACAATA  | CAGACCGAGGAAGCAGATGAG      |
| <i>ccr7b</i>        | AATGGTTACTCCACAGACACGAAC  | CAGACCGAGGAAGCAGATGAG      |
| <i>mhc II</i>       | ACACCCTTATCTGCCACGTC      | TCTGGGGTGAAGCTCAGACT       |
| <i>secreted IgD</i> | TGAACATATCCAAACCAGGTGTCTG | GTCCTGAAGTCATCATTTTGTCTTGA |
| <i>Il1 b</i>        | GACATGGTGCGTTTCCTTTT      | ACCGGTTTGGTGTAGTCCTG       |
| <i>prdm1a-1</i>     | CAGCGCCCCAGTCAAGATA       | GGGGGTAGAGGGCACAGC         |
| <i>prdm1a-2</i>     | CATTCGGCCCTATGTGTGG       | CCCCTCGGTAGTCAACATGG       |
| <i>prdm1c-1</i>     | TCACTGCATCAACACCGAGA      | CCGGTCTCCATCACCATCTT       |
| <i>prdm1c-2</i>     | CGCCAATGGGAATATGTCA       | GACATAGCCAGGATGCAGA        |
| <i>bcma</i>         | ATGTCAGAAGGACAGTGTGGACTGG | CGGCTCTGGGGCTTTGCTCT       |
| <i>irf4</i>         | CGCATCACCATAGCAACACC      | CTCCTCTCCCCAGGCTTTCT       |
| <i>pax5</i>         | ACGGAGATCGGATGTTCTCTG     | GATGCCGCGCTGTAGTAGTAC      |
| <i>igd</i>          | AGCTACATGGGAGTCAGTCAACT   | CTTCGATCCTACCTCCAGTTCT     |