

Supplementary Figure 1.

A

Control

2:1

4:1

8:1

OCI-AML2

OCI-AML3

U937

THP1

Molm-13

Molm-14

MV4-11

Kasumi-1

B

OCI-AML2

A line graph showing the time course of Annexin V + Cytolyte Red fluorescence (Count/Image) over 5 hours for four different conditions: Control, 2:1, 4:1, and 8:1. The y-axis represents the fluorescence count per image, ranging from 0 to 5000. The x-axis represents the time elapsed in hours, ranging from 0 to 5. The Control condition (blue circles) shows a slow, steady increase in fluorescence. The 2:1 condition (red squares) shows a moderate increase. The 4:1 condition (green triangles) shows a significant increase, reaching approximately 3300 counts by 5 hours. The 8:1 condition (purple inverted triangles) shows the highest fluorescence, reaching approximately 4500 counts by 5 hours. Error bars are present for all data points.

Time Elapsed (Hours)	Control	2:1	4:1	8:1
0	~200	~200	~200	~200
1	~500	~1100	~2000	~3500
2	~700	~1500	~2700	~4200
3	~800	~1800	~2900	~4400
4	~900	~2000	~3100	~4500
5	~1000	~2200	~3300	~4400

OCI-AML3

Annexin V + Cytolyte Red (Count/Image)

Time Elapsed (Hours)

Legend:

- Control (Blue line with circles)
- 2:1 (Red line with squares)
- 4:1 (Green line with triangles)
- 8:1 (Purple line with inverted triangles)

Time Elapsed (Hours)	Control	2:1	4:1	8:1
0	~100	~100	~100	~100
1	~600	~800	~1500	~3500
2	~900	~1300	~2200	~4300
3	~1000	~1600	~2400	~4300
4	~1100	~1800	~2600	~4500
5	~1200	~2000	~2800	~4600

U937

Annexin V + Cytochrome Red (Count/Image)

Time Elapsed (Hours)

Legend:

- Control (blue circles)
- 2:1 (red squares)
- 4:1 (green triangles)
- 8:1 (purple inverted triangles)

Time Elapsed (Hours)	Control	2:1	4:1	8:1
0	0	0	0	0
1	500	800	1000	1900
2	800	1100	1400	2500
3	900	1300	1600	2800
4	1000	1400	1700	3000
5	1050	1500	1900	3100
6	1100	1600	2000	3100
7	1150	1700	2100	3100
8	1200	1800	2200	3100

THP1

Annexin V + Cytochrome Red (Count/Image)

Time Elapsed (Hours)

Legend:

- Control (Blue circles)
- 2:1 (Red squares)
- 4:1 (Green triangles)
- 8:1 (Purple inverted triangles)

Time Elapsed (Hours)	Control	2:1	4:1	8:1
0	~100	~200	~300	~400
1	~400	~900	~1300	~2600
2	~600	~1300	~1900	~3100
3	~700	~1500	~2100	~3300
4	~750	~1700	~2300	~3500
5	~800	~1900	~2500	~3600
6	~850	~2000	~2600	~3600

Molm-13

Annexin V + Cytolyte Red (Count/Image)

Time Elapsed (Hours)

Legend:

- Control (Blue circles)
- 2:1 (Red squares)
- 4:1 (Green triangles)
- 8:1 (Purple inverted triangles)

Time Elapsed (Hours)	Control	2:1	4:1	8:1
0	100	100	100	100
1	250	350	450	650
2	300	500	600	950
3	320	600	700	1150
4	330	700	800	1400
5	340	750	850	1550
6	350	800	900	1650
7	350	820	950	1800
8	350	850	1000	1950
9	350	880	1050	2000
10	350	900	1100	2050
11	350	920	1150	2100
12	350	950	1150	2100

Molm-14

Y-axis: Annexin V + Cytolyte Red (Count/Image)

X-axis: Time Elapsed (Hours)

Legend:

- Control (Blue circles)
- 2:1 (Red squares)
- 4:1 (Green triangles)
- 8:1 (Purple inverted triangles)

The graph shows that the 8:1 condition results in the highest Annexin V + Cytolyte Red signal, followed by the 4:1 condition, then the 2:1 condition, and finally the Control condition. All conditions show an increase in signal over time, with the 8:1 condition showing the most rapid increase.

Time Elapsed (Hours)	Control (Count/Image)	2:1 (Count/Image)	4:1 (Count/Image)	8:1 (Count/Image)
0	0	0	0	0
1	~200	~300	~400	~600
2	~200	~400	~550	~900
3	~200	~500	~650	~1100
4	~200	~550	~800	~1400
5	~200	~600	~900	~1600
6	~200	~650	~1000	~1750
7	~200	~700	~1100	~1900
8	~200	~750	~1200	~2000

MV4-11

Annexin V + Cytolyte Red (Count/Image)

Time Elapsed (Hours)

Legend:

- Control (Blue circles)
- 2:1 (Red squares)
- 4:1 (Green triangles)
- 8:1 (Purple inverted triangles)

Time Elapsed (Hours)	Control	2:1	4:1	8:1
0	~20	~20	~20	~20
1	~50	~110	~170	~240
2	~70	~150	~240	~350
3	~80	~180	~280	~400
4	~90	~230	~310	~450
5	~100	~250	~340	~460

Kasumi-1

Annexin V + Cytolyte Red (Count/Image)

Time Elapsed (Hours)

Legend:

- Control (Blue circles)
- 2:1 (Red squares)
- 4:1 (Green triangles)
- 8:1 (Purple inverted triangles)

Time Elapsed (Hours)	Control	2:1	4:1	8:1
0	0	0	0	0
1	180	300	400	450
2	250	400	500	580
3	290	480	580	670
4	340	530	610	710
5	360	580	640	750
6	390	630	650	770
7	410	620	680	790

C

OCI-AML2

Ratio	Peak Annexin V + Cytolyte Red (Count/Image)
Control	~900
2:1	~2000
4:1	~3100
8:1	~4500

OCI-AML3

*

Peak Annexin V + Cytolyte Red
(Count/Image)

Control
2:1
4:1
8:1

Condition	Peak Annexin V + Cytolyte Red (Count/Image)
Control	~1100
2:1	~1800
4:1	~2600
8:1	~4500

U937

Y-axis: Annexin V + Cytolyte Red (Count/Image)

Legend: Control (blue), 2:1 (red), 4:1 (green), 8:1 (purple)

Significance: * (Control vs 4:1), **** (Control vs 8:1), **** (2:1 vs 8:1)

Condition	Annexin V + Cytolyte Red (Count/Image)
Control	~1000
2:1	~1500
4:1	~1900
8:1	~3800

Condition	Peak Annexin V + Cytolyte Red (Count/image)
Control	~750
2:1	~1800
4:1	~2400
8:1	~3500

Molm-13

Control

2:1

4:1

8:1

Peak Annexin V + Cytolyte Red
(Count/Image)

Condition	Peak Annexin V + Cytolyte Red (Count/Image)
Control	~350
2:1	~950
4:1	~1150
8:1	~2100

Molm-14

Control

2:1

4:1

8:1

Peak Annexin V + Cytolyte Red
(Count/Image)

Condition	Peak Annexin V + Cytolyte Red (Count/Image)
Control	~300
2:1	~800
4:1	~1250
8:1	~2050

Condition	Peak Annexin V + Cytolyte Red (Count/Image)
Control	~100
2:1	~230
4:1	~320
8:1	~450

Kasumi-1

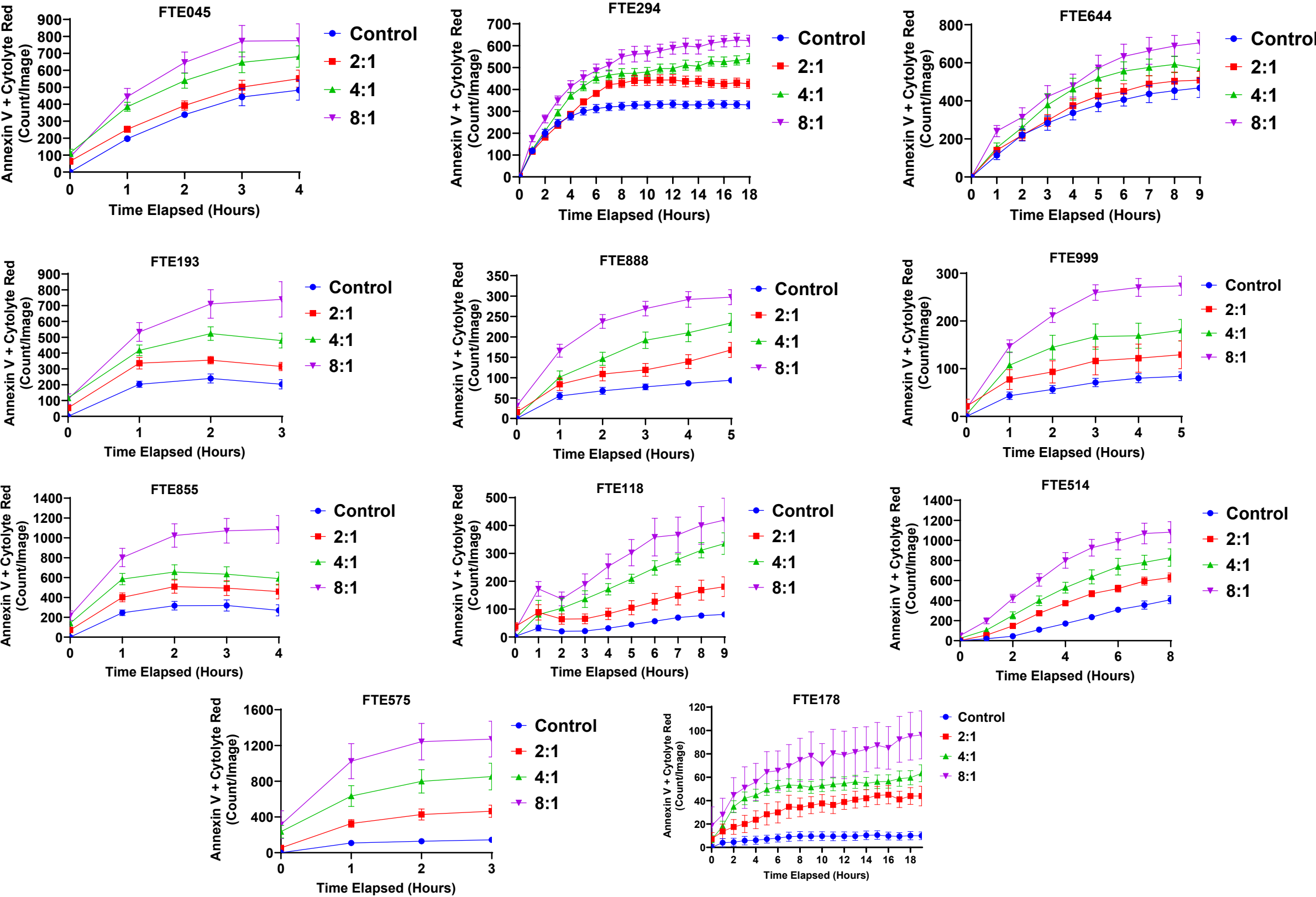
Peak Annexin V + Cytolyte Red
(Count/Image)

Control
2:1
4:1
8:1

Condition	Peak Annexin V + Cytolyte Red (Count/Image)
Control	~360
2:1	~580
4:1	~650
8:1	~740

Supplementary Figure 2.

A



B

