EXP#942: AMV564 FACS

11/14/17

Sample	Patient ID	EXP No.	Cycle	Timepoint	Tissue	Viability (%)	Live (cell/mL)	Total V (mL)	Total cells
1	02-004	MR921	1	Screen	BM	71.5	2.34E+05	5	1.17E+06
2	02-004	MR921	1	Day 1	PB	90.7	2.37E+05	5	1.19E+06
3	02-004	MR921	1	Day 2	PB	88.9	3.06E+05	5	1.53E+06
4	02-004	MR921	1	Day 3	PB	82.1	2.87E+05	5	1.44E+06
5	02-004	MR921	1	Day 15	PB	82.9	5.90E+05	5	2.95E+06
6	02-004	MR921	1	Day 15	BM	25	5.67E+04	5	2.84E+05
7	02-004	MR921	1	Day 29	PB	90	2.79E+05	5	1.40E+06
8	02-004	MR921	1	Day 29	BM	50.1	1.39E+05	5	6.95E+05
9	02-004	MR921	2	Day 1	PB	94.7	5.59E+05	5	2.80E+06
10	02-004	MR921	2	Day 2	PB	89.8	3.97E+05	5	1.99E+06
11	02-004	MR921	2	Day 3	PB	90.4	4.92E+05	5	2.46E+06
12	02-004	MR921	2	Day 15	PB	85.4	5.47E+05	5	2.74E+06
13	02-004	MR921	2	Day 15	BM	65.9	1.68E+05	5	8.40E+05
PBMC						82	1.26E+06	5	6.30E+06

AMV564: mAbs

Set 1: MDSC

mAb	Source	Catalog no.	Clone	Fluorophore
CD15	BDB	555401	HI98	FITC
CD124	R&D	FAB230P	25463	PE
CD14	Coulter	IM2707U	RMO52	ECD
CD11b	Coulter	A54822	Bear1	PC7
CD33	BDB	551378	WM53	APC
CD3	Biolegend	344821	SK7	AF700
CD19	Biolegend	363033	SJ25C1	AF700
CD20	Biolegend	302322	2H7	AF700
CD56	BDB	565140	NCAM16.2	APC-R700
CD16	Biolegend	302025	3G8	AF700
HLA-DR	BDB	564808	Tu169	BV421
CD45	Biolegend	304035	HI30	BV510

Set 2: AML

mAb	Source	Catalog no.	Clone	Fluorophore
CD45	BDB	555482	HI30	FITC
HLA-DR	BDB	555812	G46-6	PE
CD117	Biolegend	313211	104D2	PC7
CD33	BDB	551378	WM53	APC
CD123	Biolegend	344821	FAB301P	AF700
CD34	BDB	562577	581	BV421
CD14	Biolegend	301841	M5E2	BV510

Analysis of MDSCs
mAb Set #1

Cancer Immunol Immunother (2016) 65:161–169
DOI 10.1007/s00262-015-1782-5

ORIGINAL ARTICLE

Toward harmonized phenotyping of human myeloid-derived suppressor cells by flow cytometry: results from an interim study

Susanna Mandruzzato[1,2] · Sven Brandau[3] · Cedrik M. Britten[4,5] · Vincenzo Bronte[6] · Vera Damuzzo[1,2] · Cécile Gouttefangeas[7] · Dominik Maurer[8] · Christian Ottensmeier[9] · Sjoerd H. van der Burg[10] · Marij J. P. Welters[10] · Steffen Walter[8]

Cytometry Part B (Clinical Cytometry) 88B:77–91 (2015)

Review

Complexity and Challenges in Defining Myeloid-Derived Suppressor Cells

Vera Damuzzo,[1†] Laura Pinton,[1†] Giacomo Desantis,[2] Samantha Solito,[1] Ilaria Marigo,[2] Vincenzo Bronte,[3] and Susanna Mandruzzato[1,2*]

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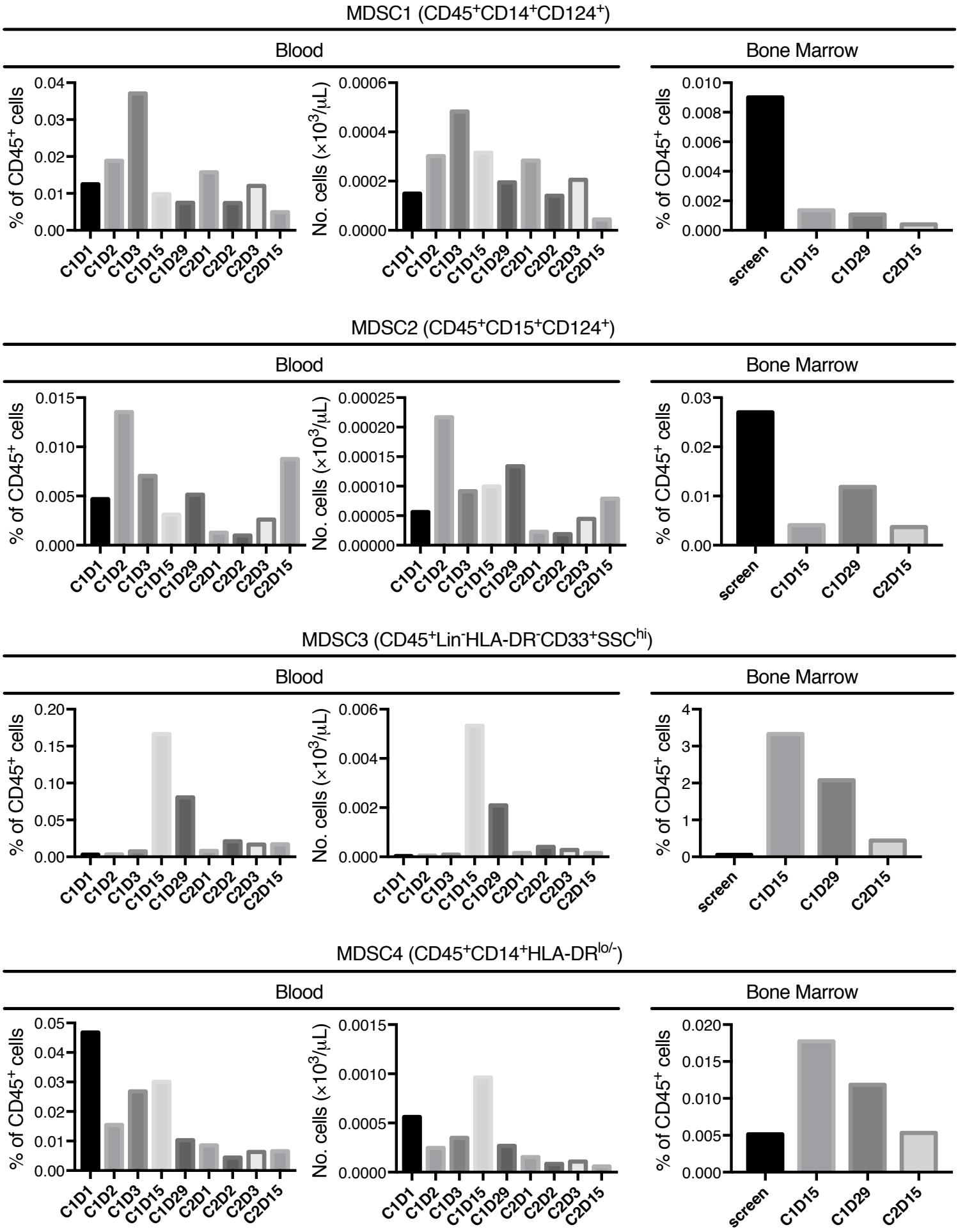
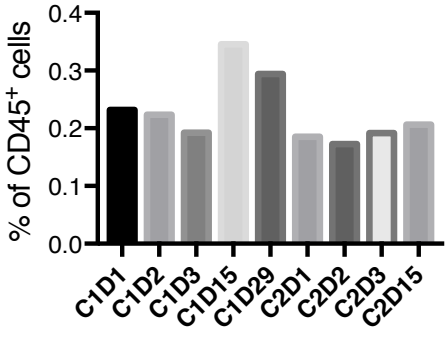
[2]Veneto Institute of Oncology IOV—IRCCS, Padova, Italy

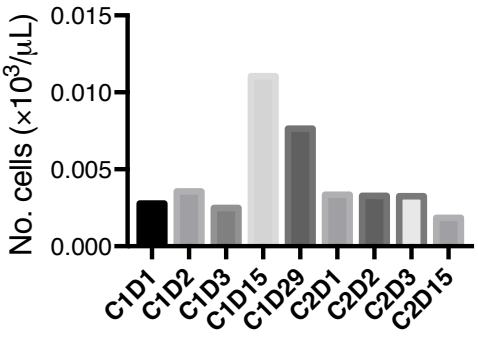
[3]Section of Immunology, Department of Pathology, Verona University Hospital, Verona, Italy


MDSC1 (CD45+CD14+CD124+)
Blood
Bone Marrow
% of CD45+ cells
No. cells (×10^3/μL)
C1D1
C1D2
C1D3
C1D15
C1D29
C2D1
C2D2
C2D3
C2D15
screen
MDSC2 (CD45+CD15+CD124+)
Blood
Bone Marrow
% of CD45+ cells
No. cells (×10^3/μL)
MDSC3 (CD45+Lin-HLA-DR-CD33+SSChi)
Blood
Bone Marrow
% of CD45+ cells
No. cells (×10^3/μL)
MDSC4 (CD45+CD14+HLA-DRlo/-)
Blood
Bone Marrow
% of CD45+ cells
No. cells (×10^3/μL)

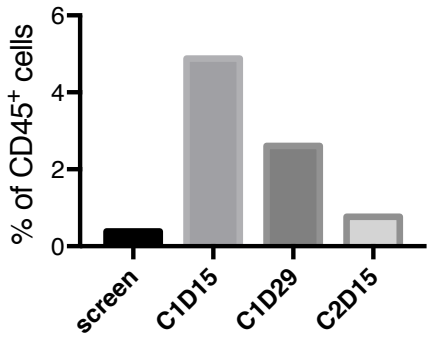
MDSC5 ($CD45^+CD14^-CD15^+CD11b^+$)

Blood



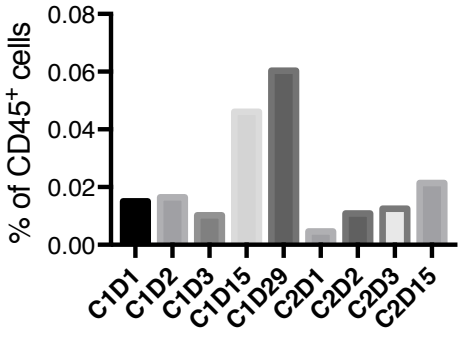


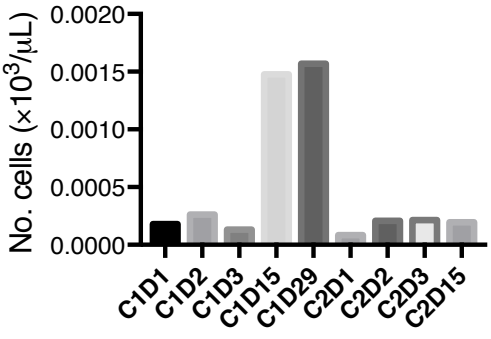
Bone Marrow



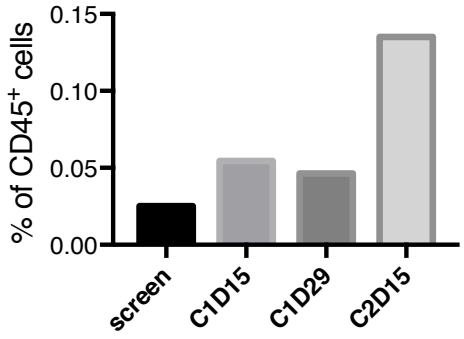
MDSC6 ($CD45^+CD15^{hi}SSC^{hi}FSC^{lo}$)

Blood



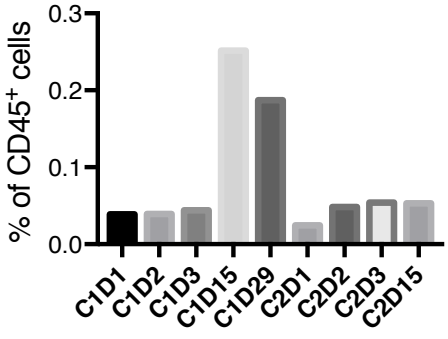


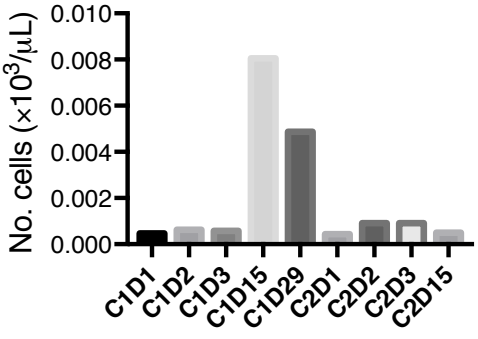
Bone Marrow



MDSC7 ($CD45^+CD14^+CD15^-CD33^{hi}HLA\text{-}DR^{lo/-}$)

Blood





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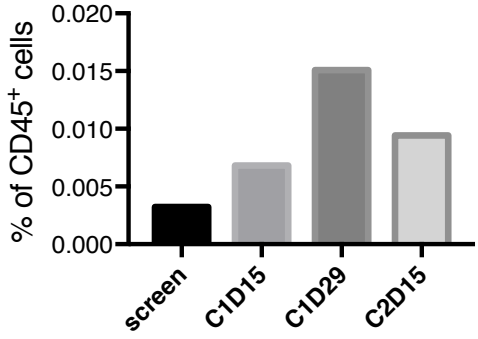
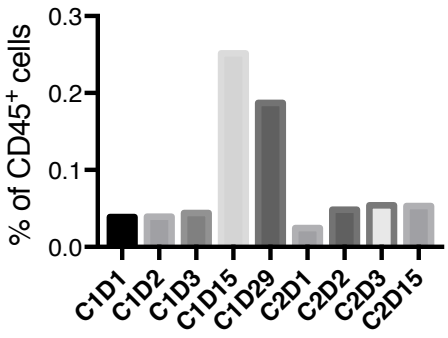
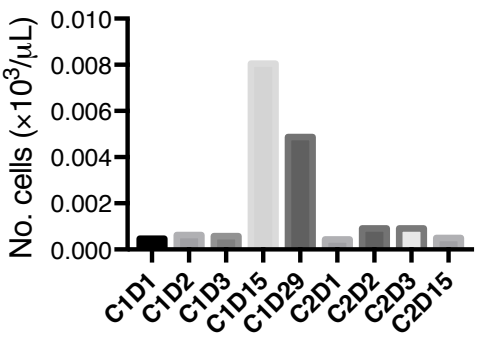


MDSC8 ($CD45^+CD15^+CD33^+$)

Blood





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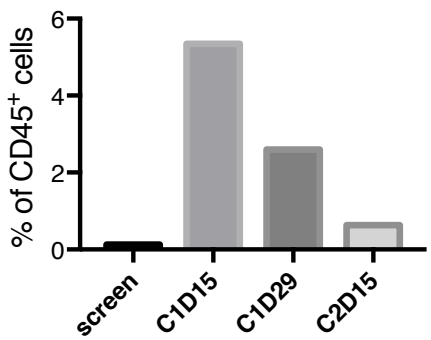
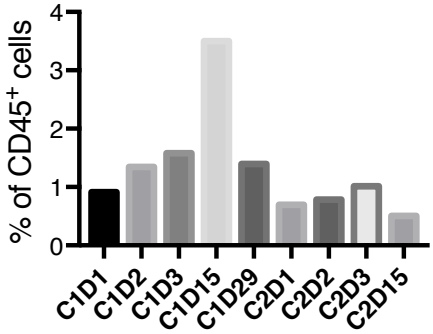
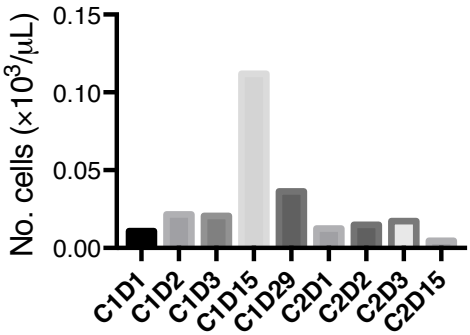


MDSC9 ($CD45^+CD14^-CD15^-CD33^+$)

Blood





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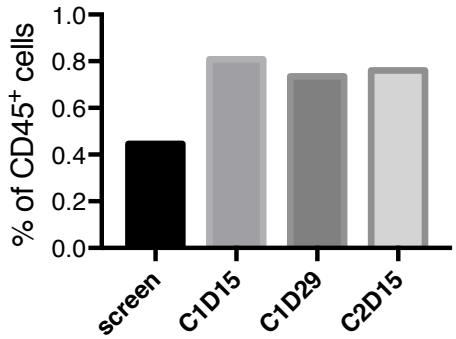
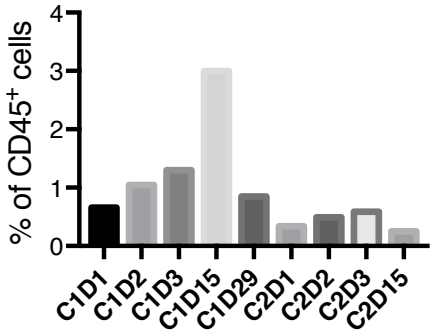
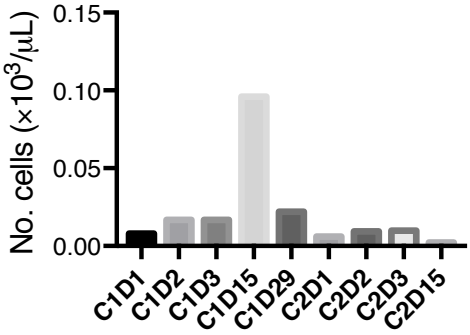


MDSC10 ($CD45^+Lin^-HLA\text{-}DR^-CD11b^+$)

Blood





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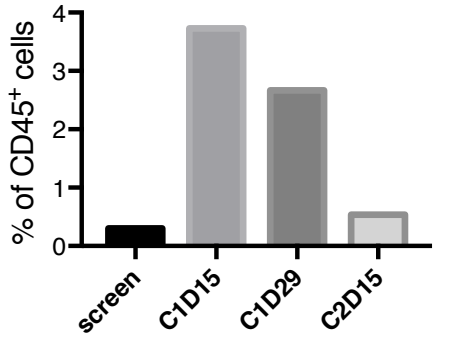
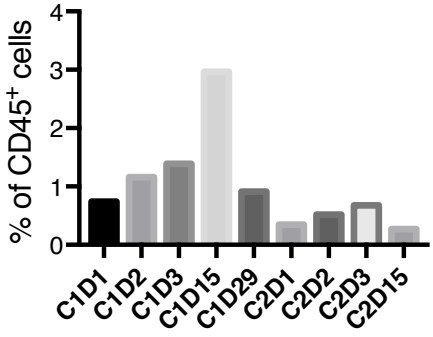
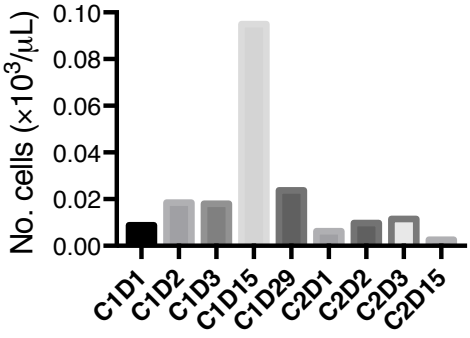


Moffitt MDSC ($CD45^+Lin^-CD14^-CD15^-CD33^+$)

Blood





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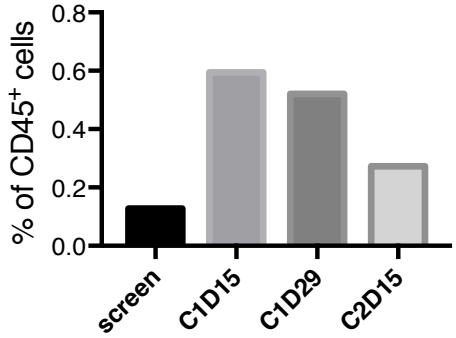
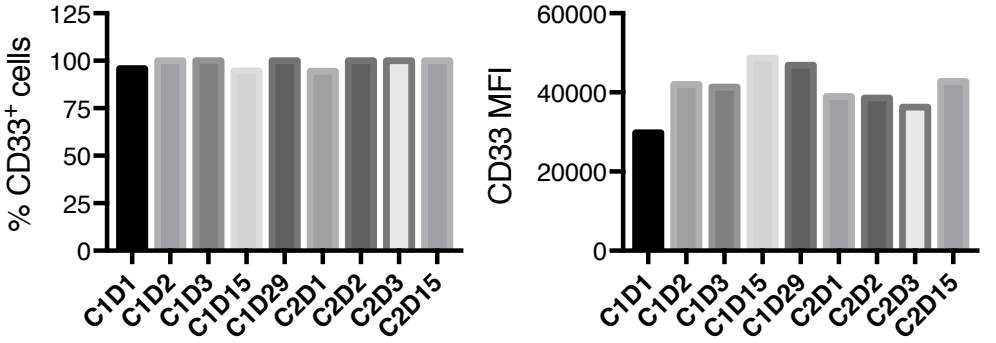


Expression of CD33 on MDSCs
mAb Set #1

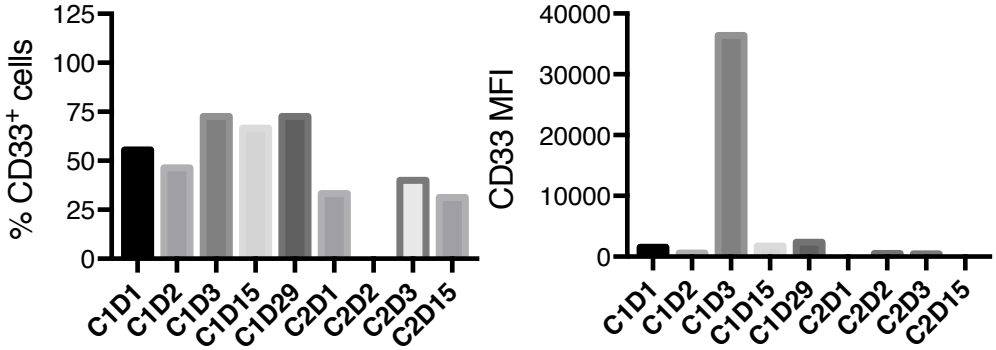
MDSC1 ($CD45^+CD14^+CD124^+$)

Blood



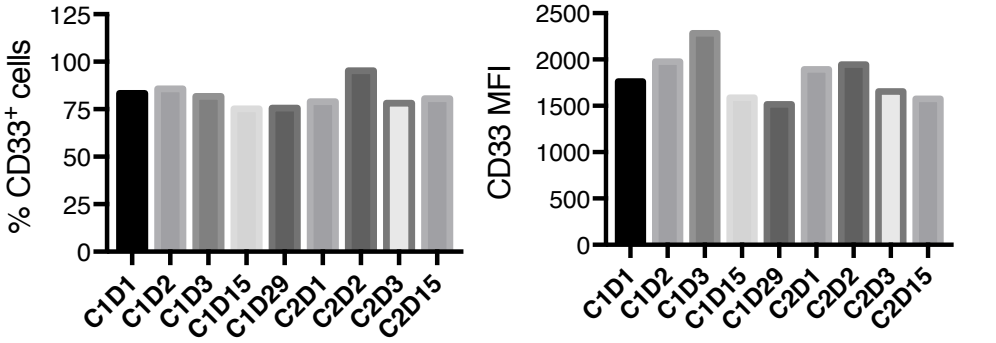
MDSC2 ($CD45^+CD15^+CD124^+$)

Blood



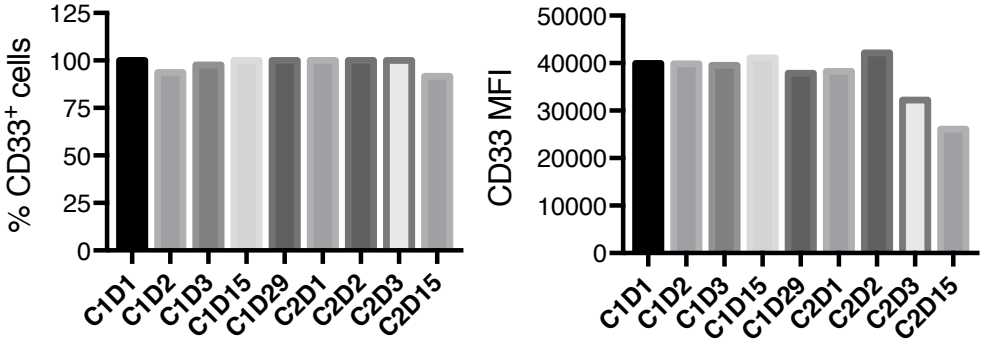
MDSC3 ($CD45^+Lin^-HLA\text{-}DR^-CD33^+SSC^{hi}$)

Blood



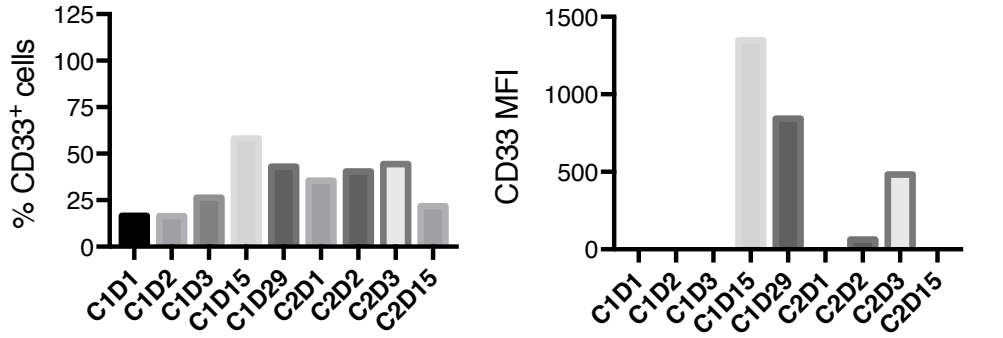
MDSC4 ($CD45^+CD14^+HLA\text{-}DR^{lo/-}$)

Blood



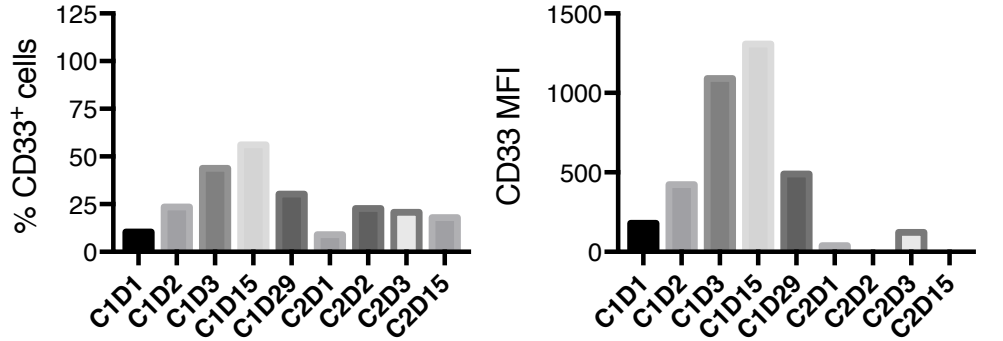
MDSC5 ($CD45^+CD14^-CD15^+CD11b^+$)

Blood



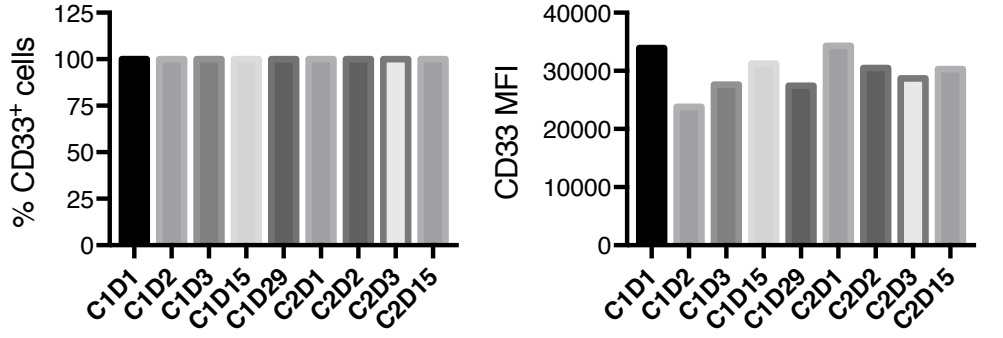
MDSC6 ($CD45^+CD15^{hi}SSC^{hi}FSC^{lo}$)

Blood



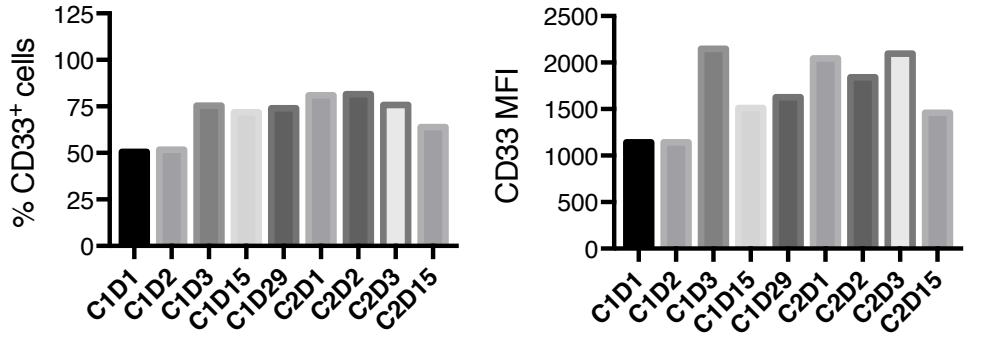
MDSC7 ($CD45^+CD14^+CD15^-CD33^{hi}HLA\text{-}DR^{lo/-}$)

Blood



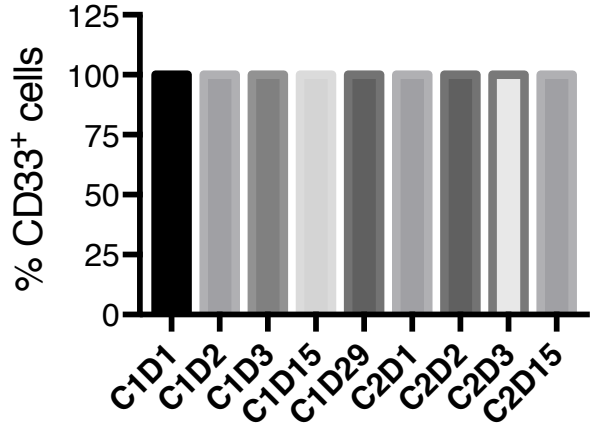
MDSC8 ($CD45^+CD15^+CD33^+$)

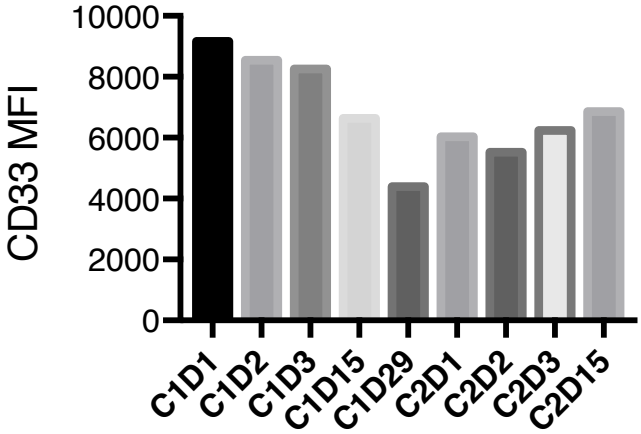
Blood



MDSC9 ($CD45^+CD14^-CD15^-CD33^+$)

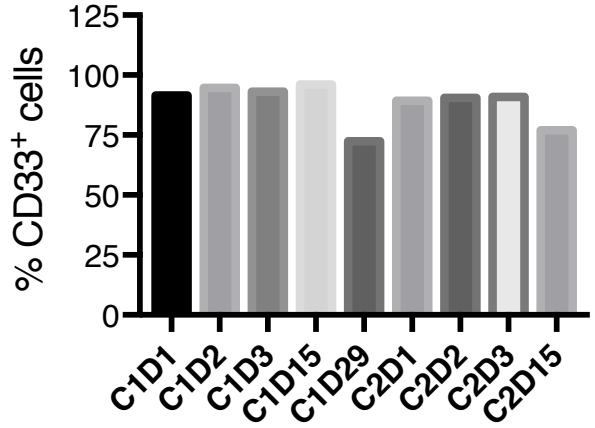
Blood

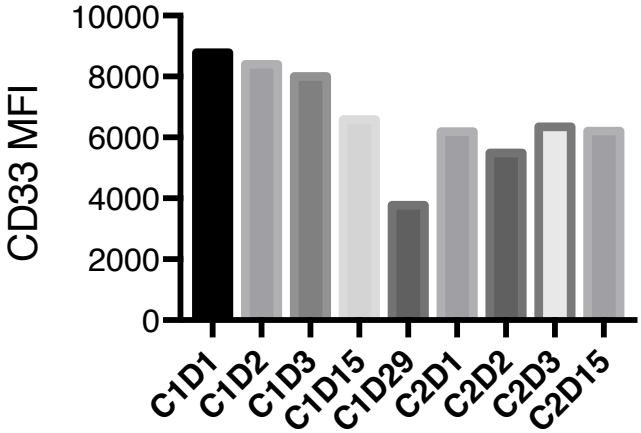




MDSC10 ($CD45^+Lin^-HLA\text{-}DR^-CD11b^+$)

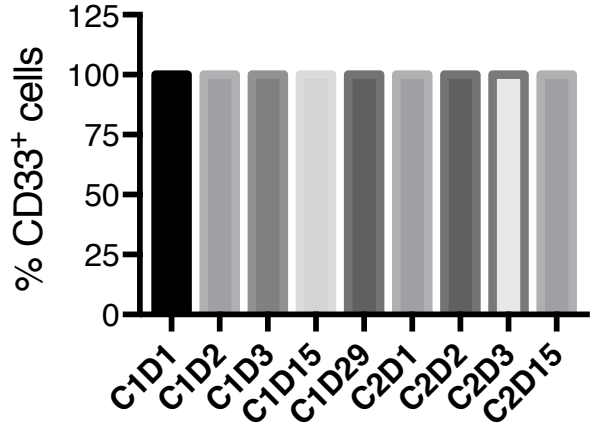
Blood

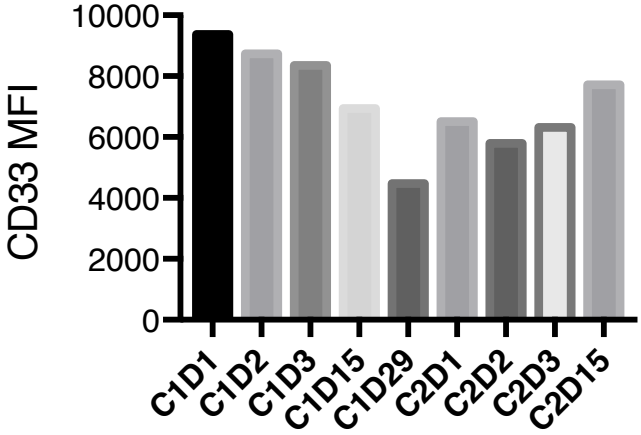




Moffitt MDSC ($CD45^+Lin^-CD14^-CD15^-CD33^+$)

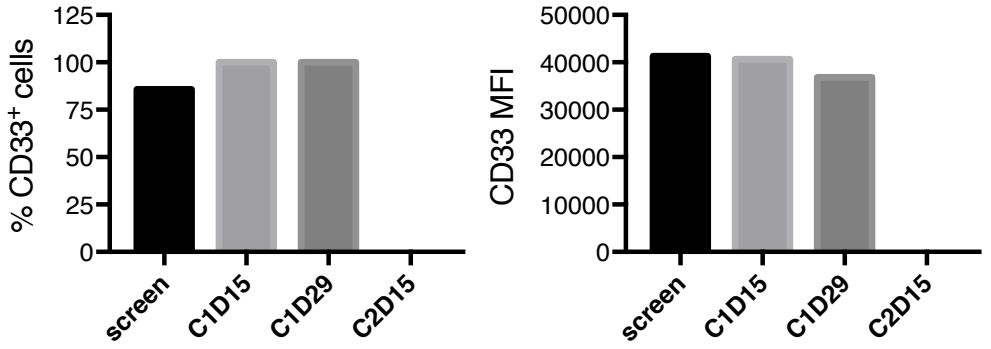
Blood





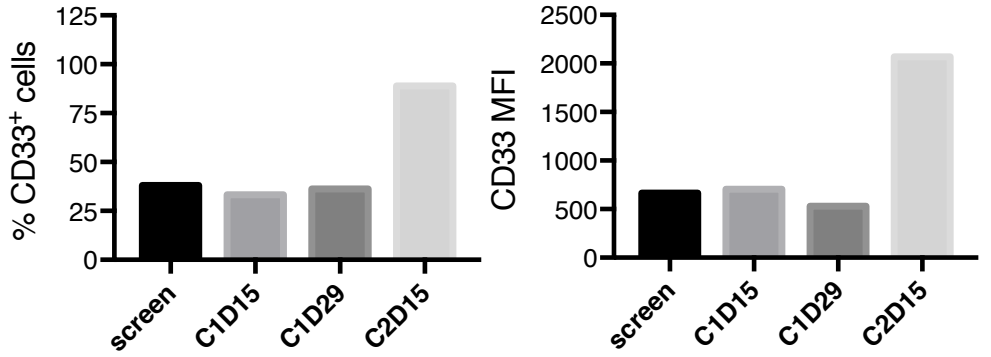
MDSC1 ($CD45^+CD14^+CD124^+$)

Bone Marrow



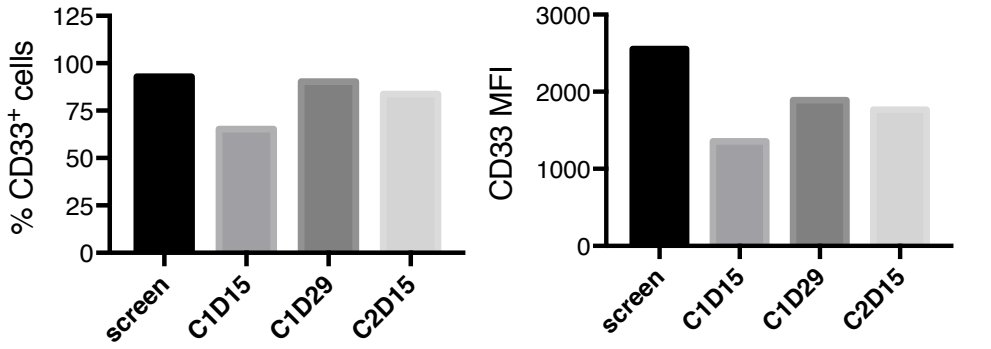
MDSC2 ($CD45^+CD15^+CD124^+$)

Bone Marrow



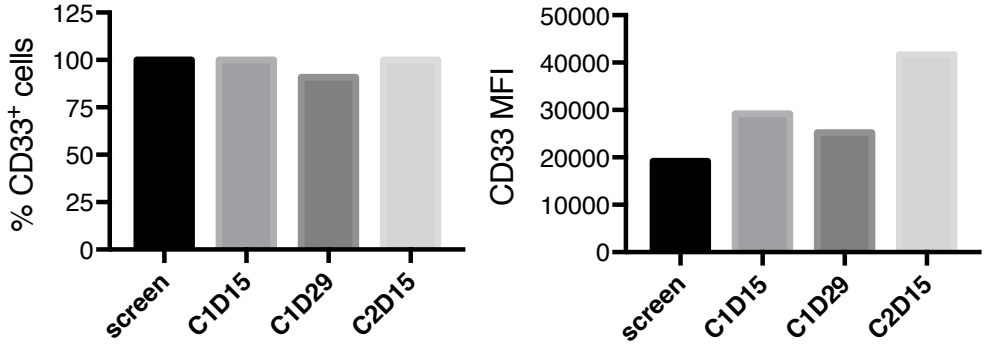
MDSC3 ($CD45^+Lin^-HLA\text{-}DR^-CD33^+SSC^{hi}$)

Bone Marrow



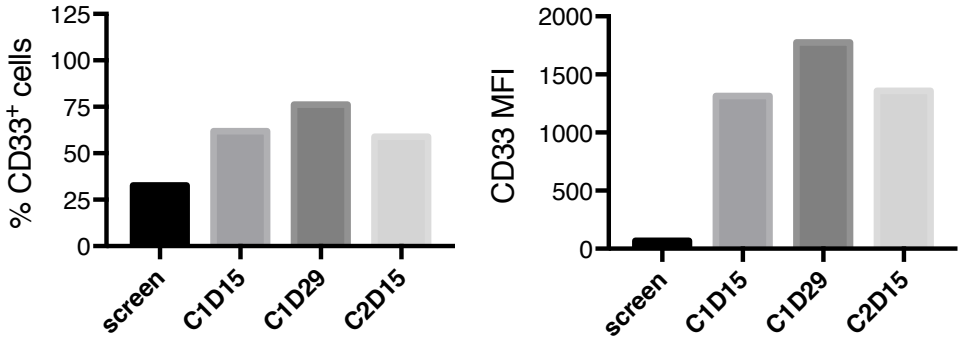
MDSC4 ($CD45^+CD14^+HLA\text{-}DR^{lo/-}$)

Bone Marrow



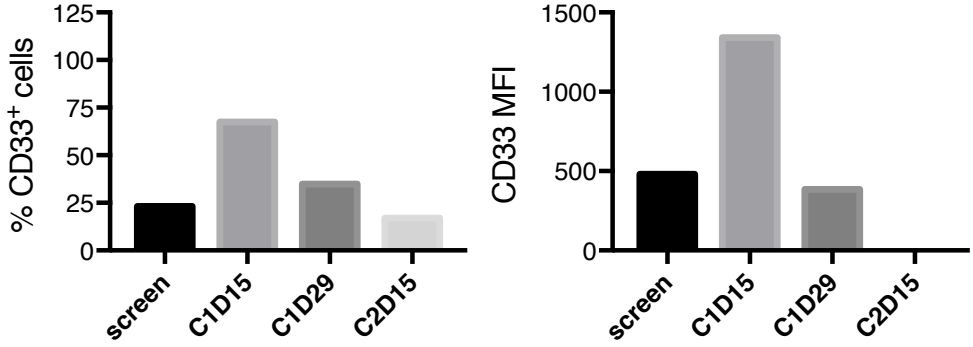
MDSC5 ($CD45^+CD14^-CD15^+CD11b^+$)

Bone Marrow



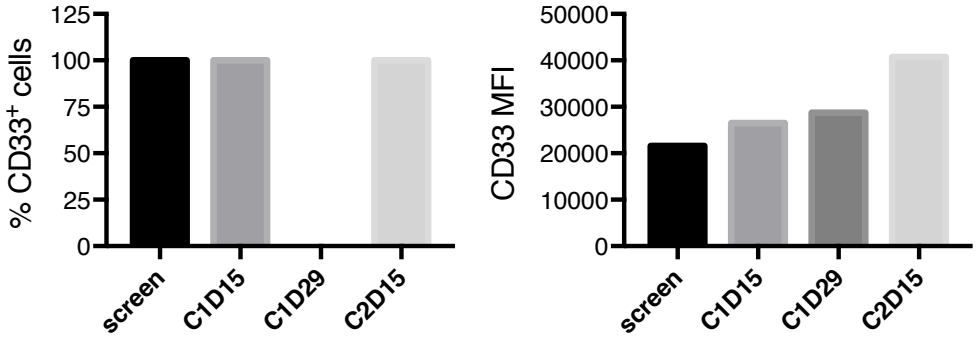
MDSC6 ($CD45^+CD15^{hi}SSC^{hi}FSC^{lo}$)

Bone Marrow



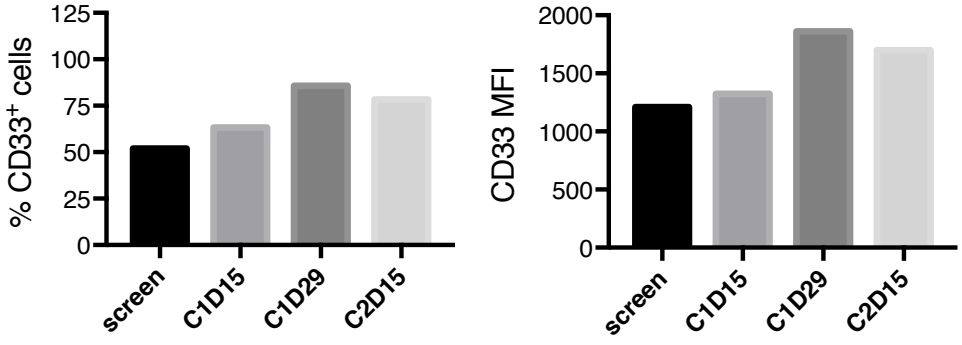
MDSC7 ($CD45^+CD14^+CD15^-CD33^{hi}HLA\text{-}DR^{lo/-}$)

Bone Marrow



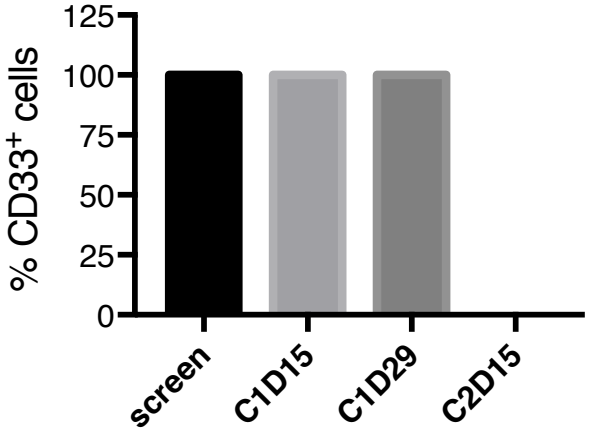
MDSC8 ($CD45^+CD15^+CD33^+$)

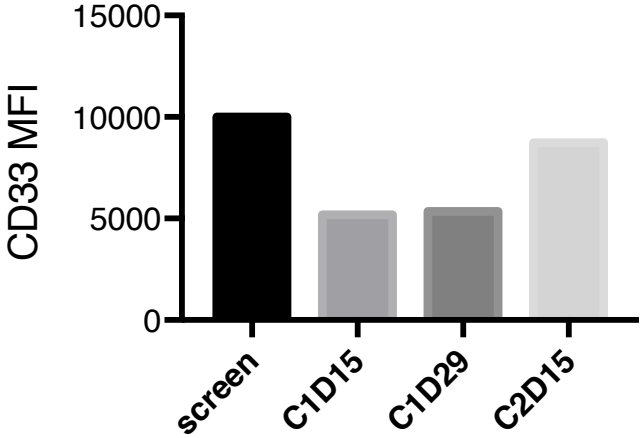
Bone Marrow



MDSC9 ($CD45^+CD14^-CD15^-CD33^+$)

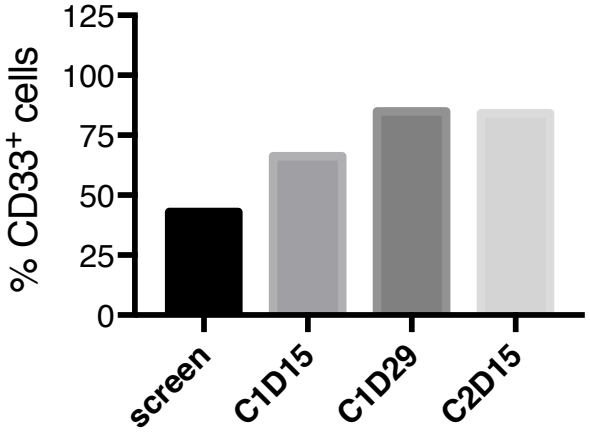
Bone Marrow

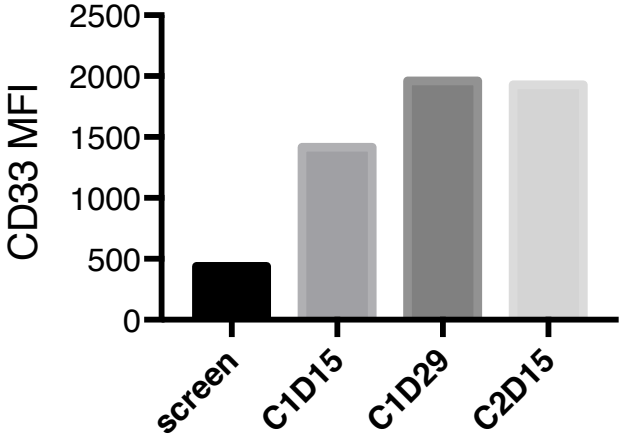




MDSC10 ($CD45^+Lin^-HLA\text{-}DR^-CD11b^+$)

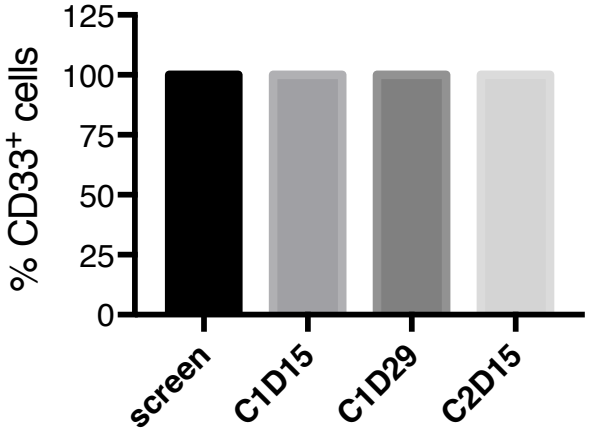
Bone Marrow

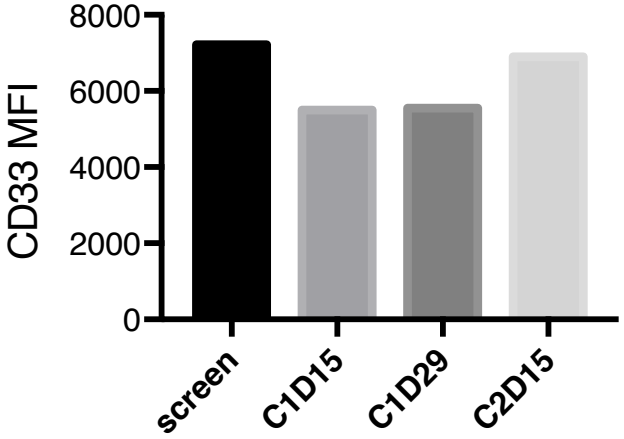




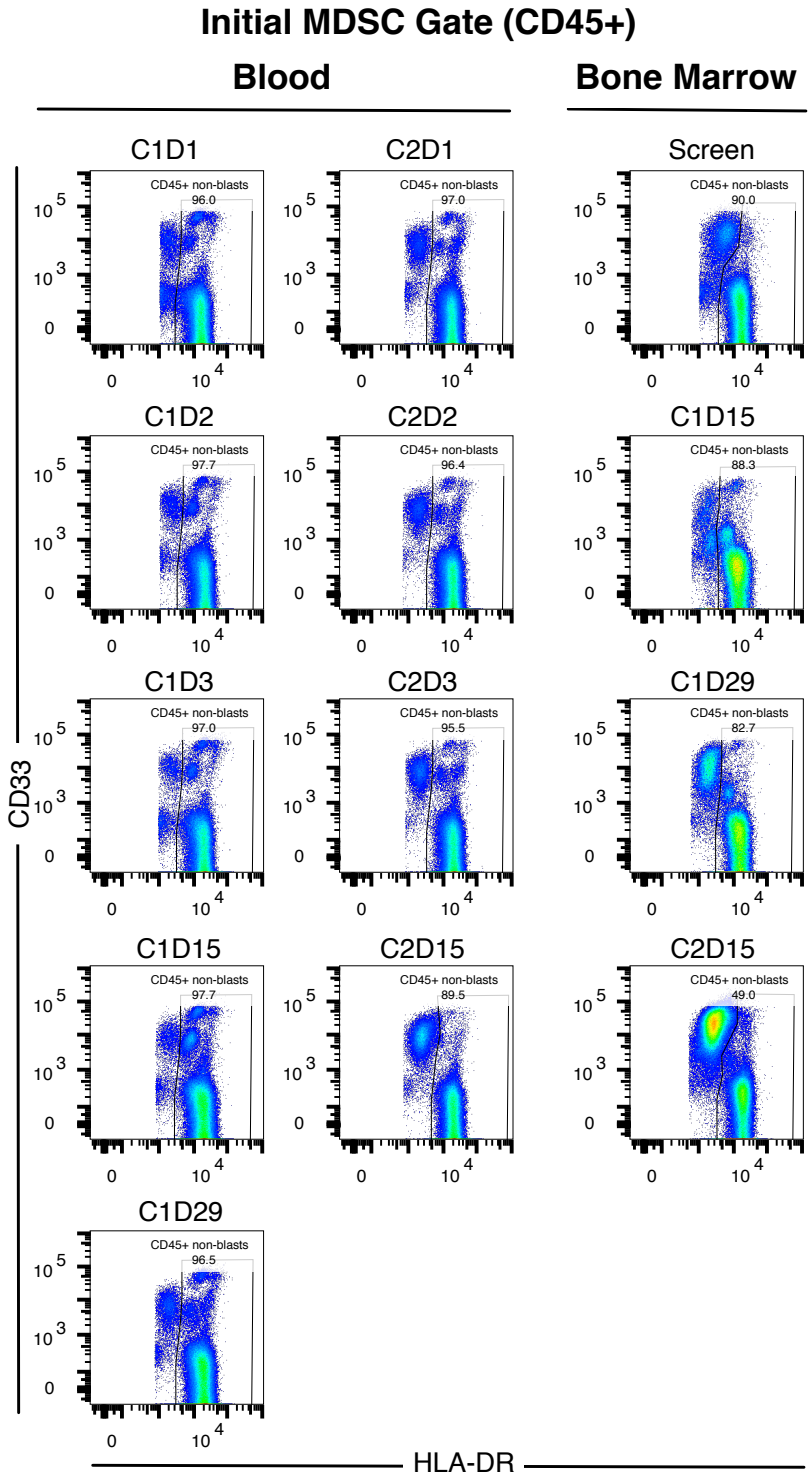
Moffitt MDSC ($CD45^+Lin^-CD14^-CD15^-CD33^+$)

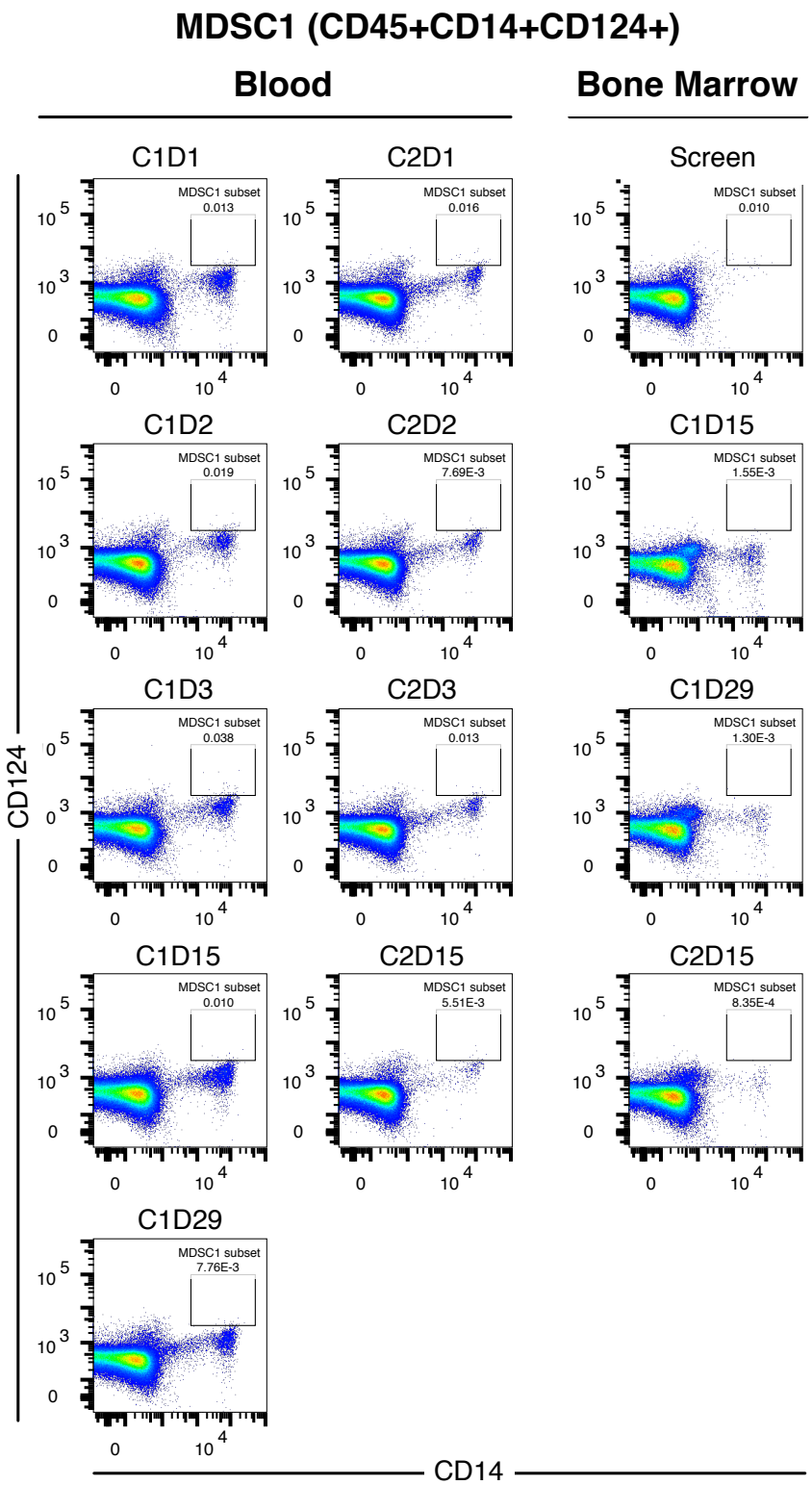
Bone Marrow

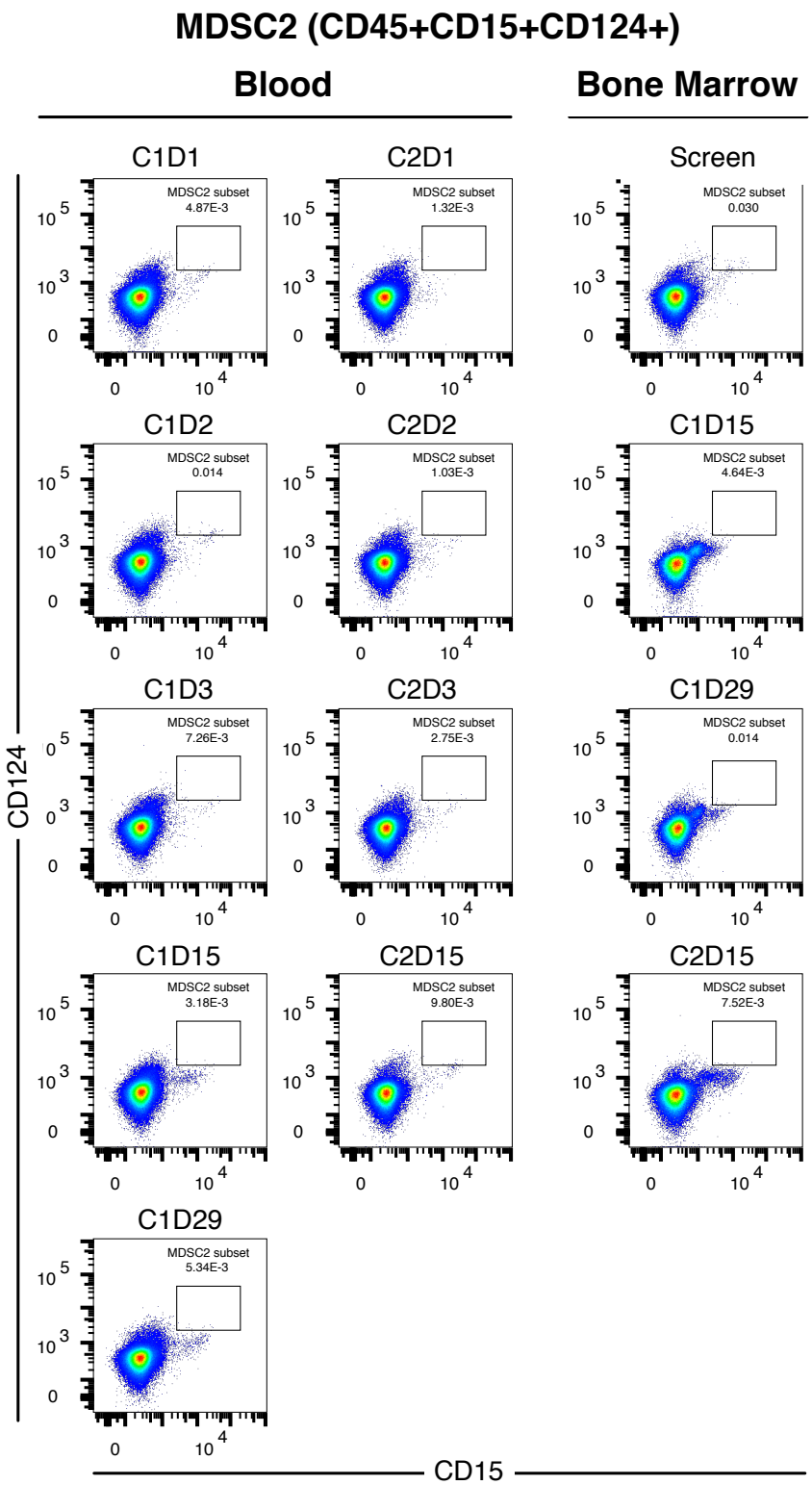


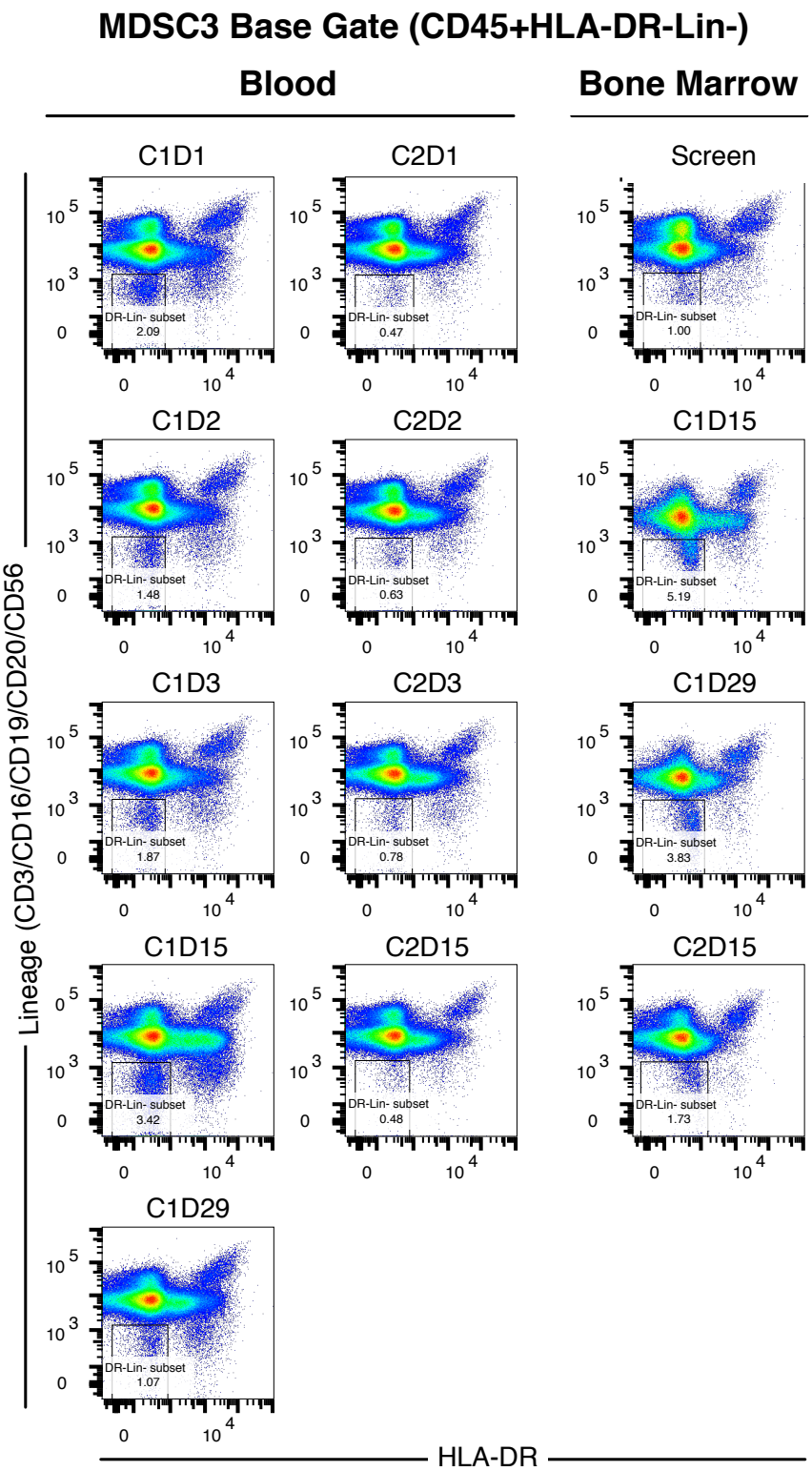


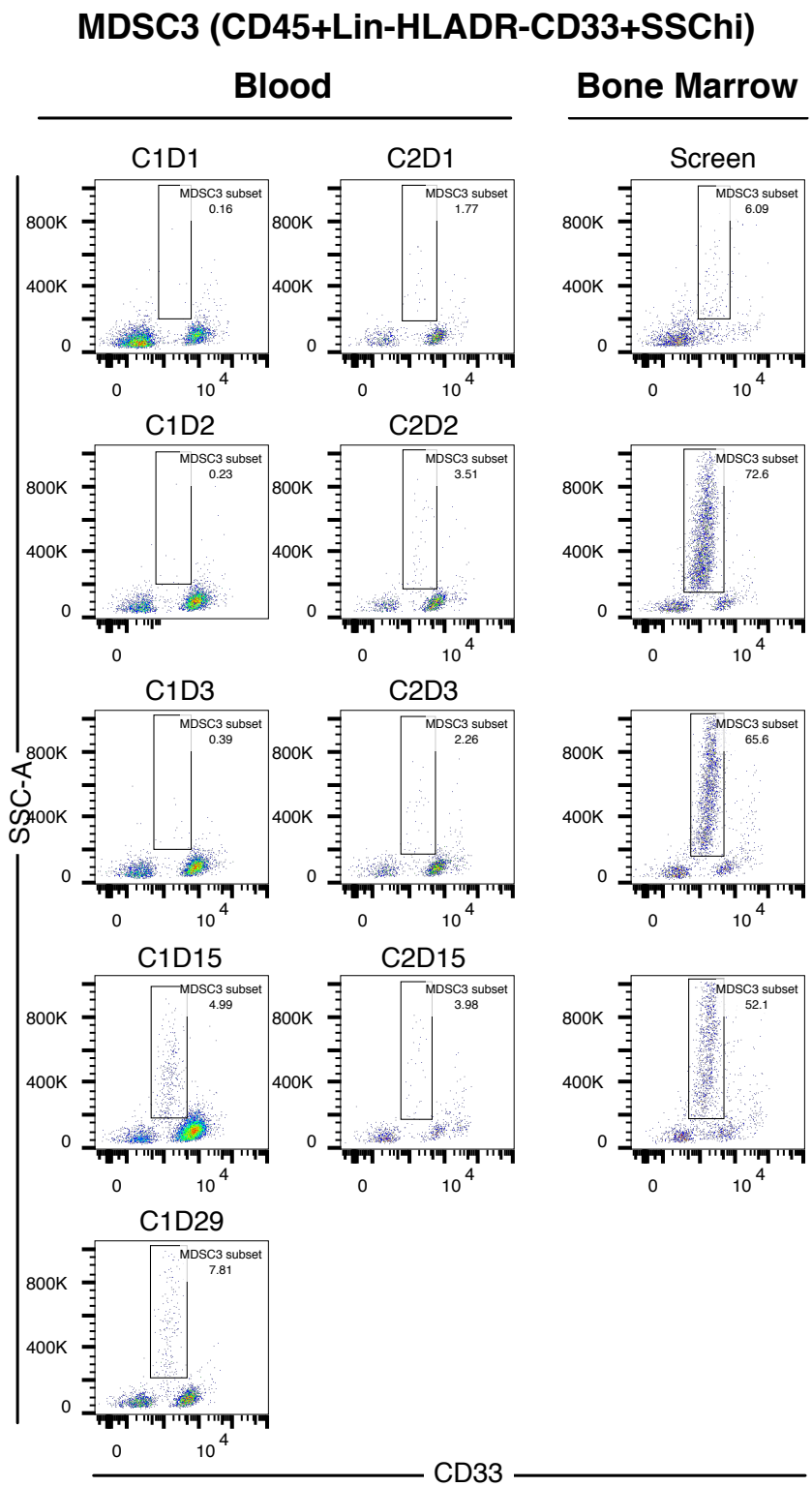
FACS profiles of MDSCs
mAb Set #1


Initial MDSC Gate (CD45+)
Blood
Bone Marrow
C1D1
C2D1
Screen
C1D2
C2D2
C1D15
C1D3
C2D3
C1D29
C1D15
C2D15
C2D15
C1D29
CD45+ non-blasts
96.0
97.0
90.0
97.7
96.4
88.3
97.0
95.5
82.7
97.7
89.5
49.0
96.5
CD33
HLA-DR

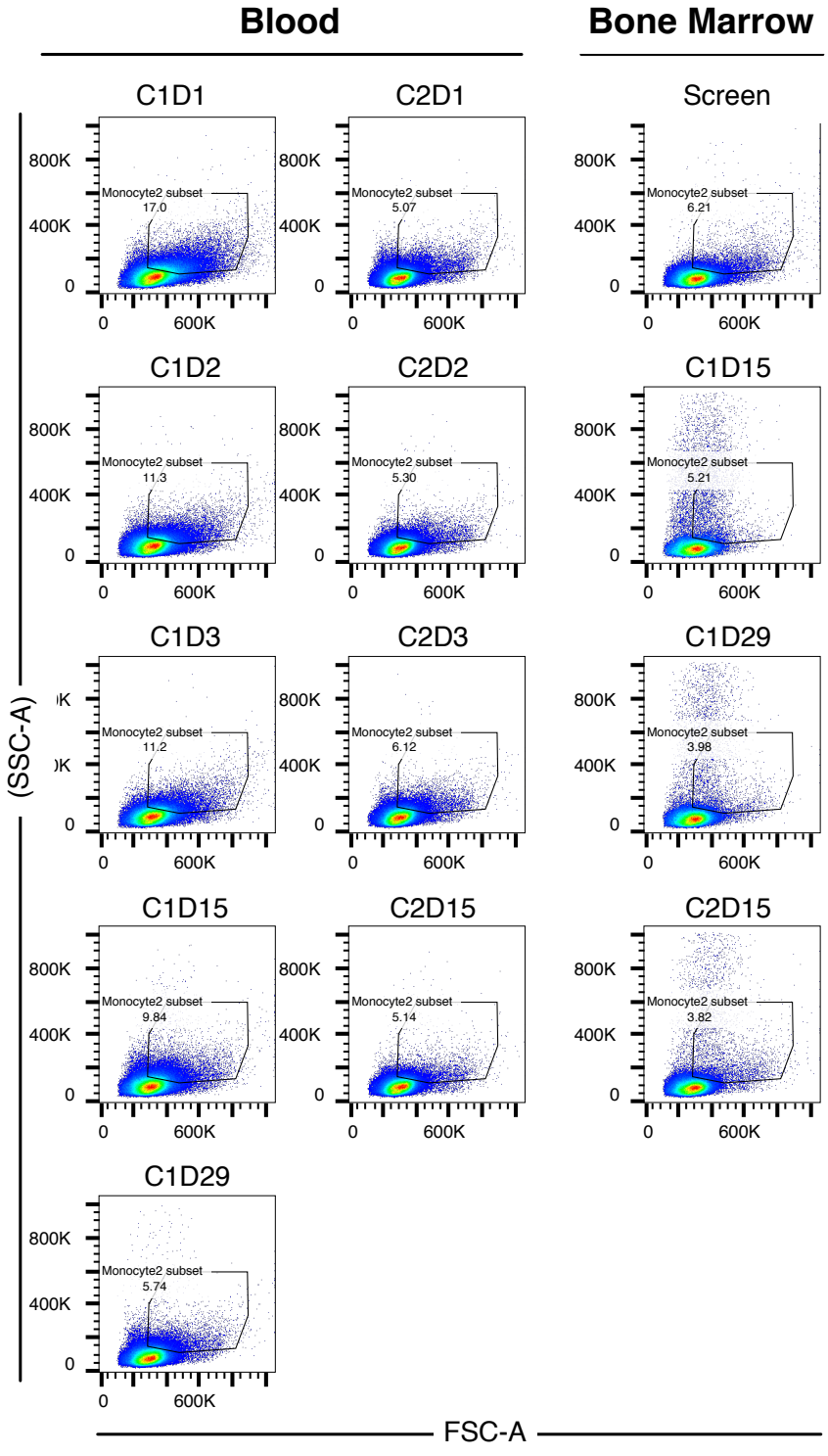

MDSC1 (CD45+CD14+CD124+)
Blood
Bone Marrow
C1D1
MDSC1 subset
0.013
C2D1
MDSC1 subset
0.016
Screen
MDSC1 subset
0.010
C1D2
MDSC1 subset
0.019
C2D2
MDSC1 subset
7.69E-3
C1D15
MDSC1 subset
1.55E-3
C1D3
MDSC1 subset
0.038
C2D3
MDSC1 subset
0.013
C1D29
MDSC1 subset
1.30E-3
C1D15
MDSC1 subset
0.010
C2D15
MDSC1 subset
5.51E-3
C2D15
MDSC1 subset
8.35E-4
C1D29
MDSC1 subset
7.76E-3
CD124
CD14

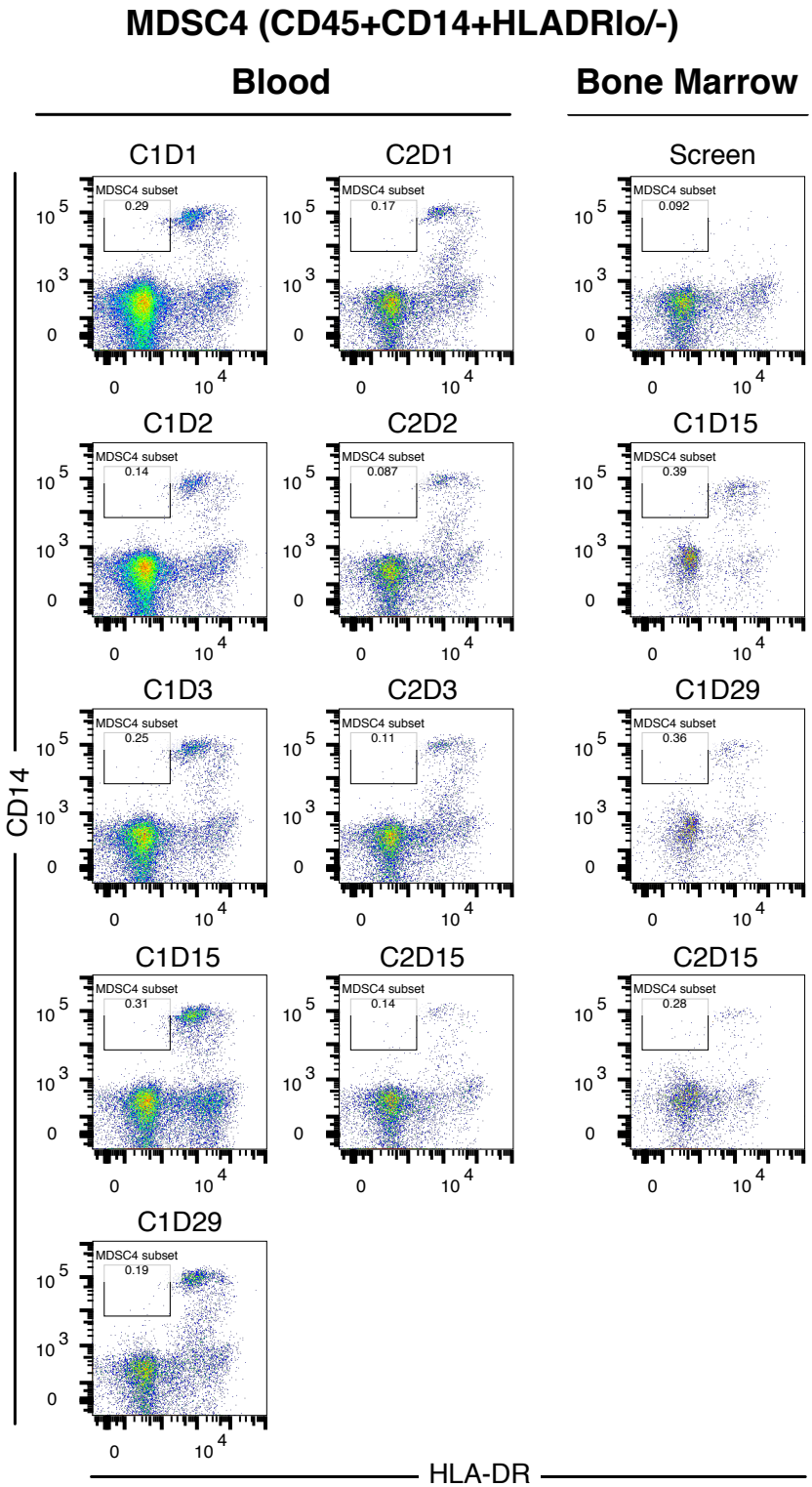

MDSC2 (CD45+CD15+CD124+)
Blood
Bone Marrow
C1D1
MDSC2 subset
4.87E-3
C2D1
MDSC2 subset
1.32E-3
Screen
MDSC2 subset
0.030
C1D2
MDSC2 subset
0.014
C2D2
MDSC2 subset
1.03E-3
C1D15
MDSC2 subset
4.64E-3
C1D3
MDSC2 subset
7.26E-3
C2D3
MDSC2 subset
2.75E-3
C1D29
MDSC2 subset
0.014
C1D15
MDSC2 subset
3.18E-3
C2D15
MDSC2 subset
9.80E-3
C2D15
MDSC2 subset
7.52E-3
C1D29
MDSC2 subset
5.34E-3
CD124
CD15

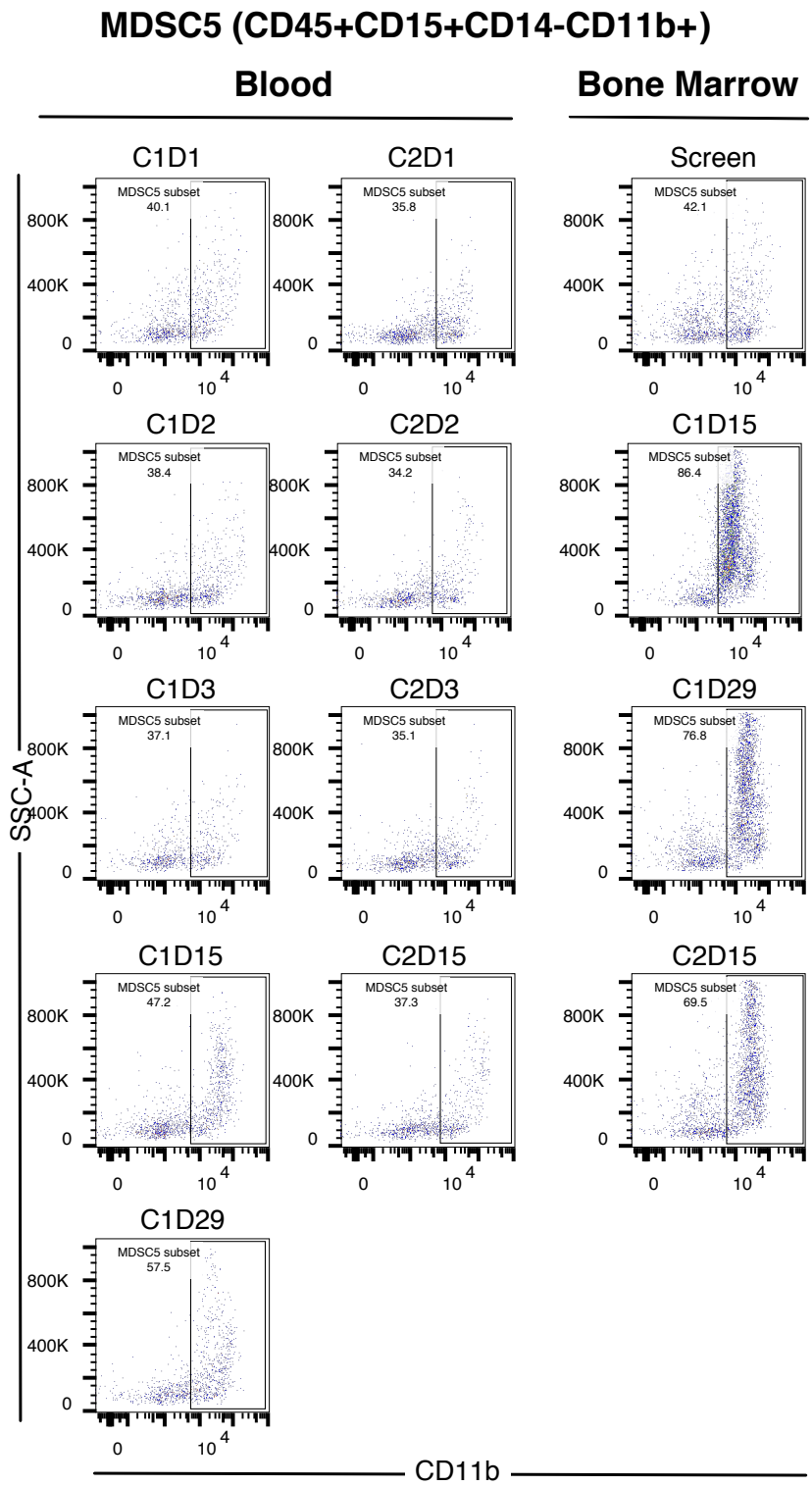

MDSC3 Base Gate (CD45+HLA-DR-Lin-)
Blood
Bone Marrow
C1D1
C2D1
Screen
C1D2
C2D2
C1D15
C1D3
C2D3
C1D29
C1D15
C2D15
C2D15
C1D29
DR-Lin- subset
2.09
0.47
1.00
1.48
0.63
5.19
1.87
0.78
3.83
3.42
0.48
1.73
1.07
Lineage (CD3/CD16/CD19/CD20/CD56
HLA-DR

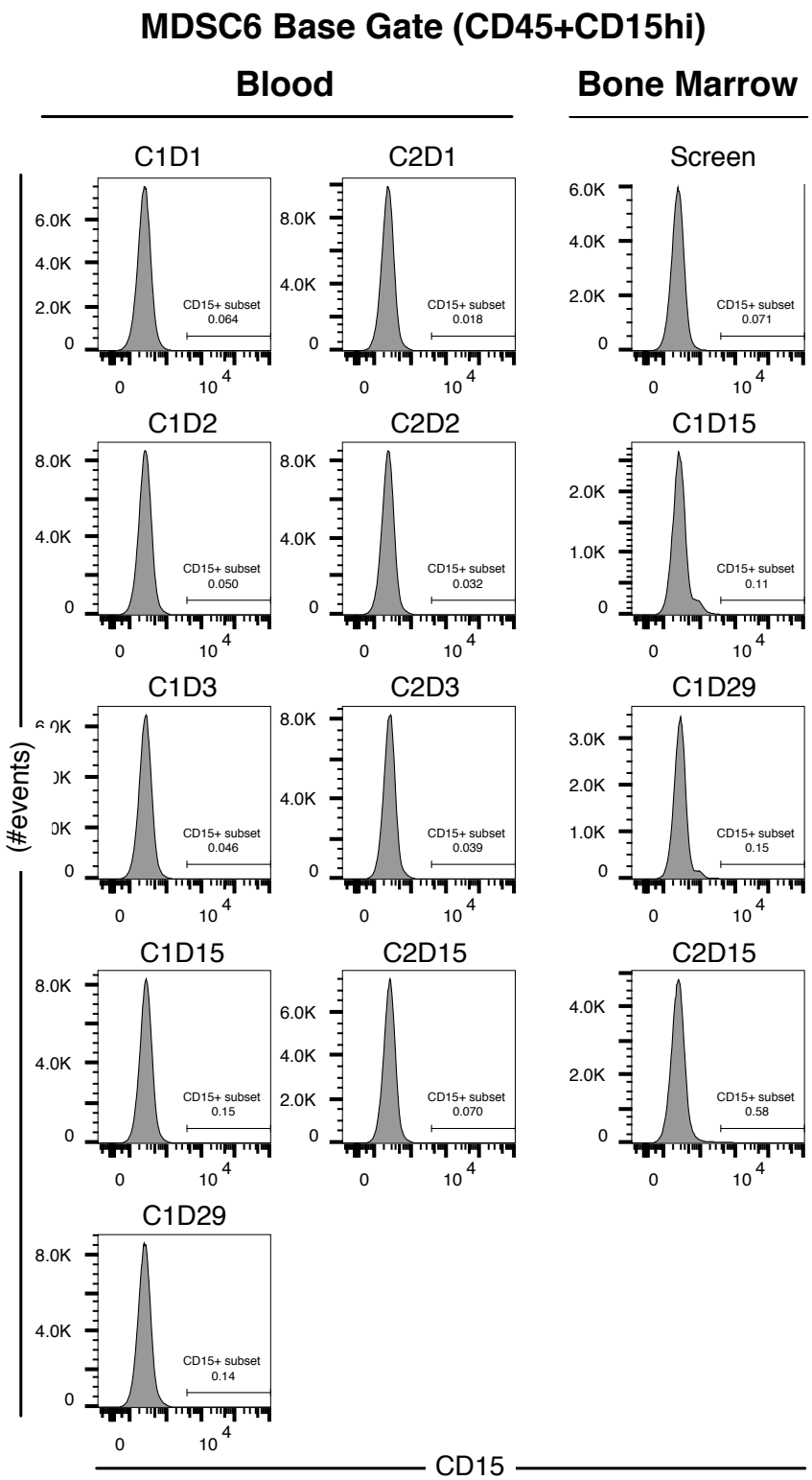

MDSC3 (CD45+Lin-HLADR-CD33+SSChi)
Blood
Bone Marrow
C1D1
MDSC3 subset
0.16
C2D1
MDSC3 subset
1.77
Screen
MDSC3 subset
6.09
C1D2
MDSC3 subset
0.23
C2D2
MDSC3 subset
3.51
MDSC3 subset
72.6
C1D3
MDSC3 subset
0.39
C2D3
MDSC3 subset
2.26
MDSC3 subset
65.6
C1D15
MDSC3 subset
4.99
C2D15
MDSC3 subset
3.98
MDSC3 subset
52.1
C1D29
MDSC3 subset
7.81
SSC-A
800K
400K
0
CD33

MDSC4 Base Gate (CD45+FSCintSSCint)

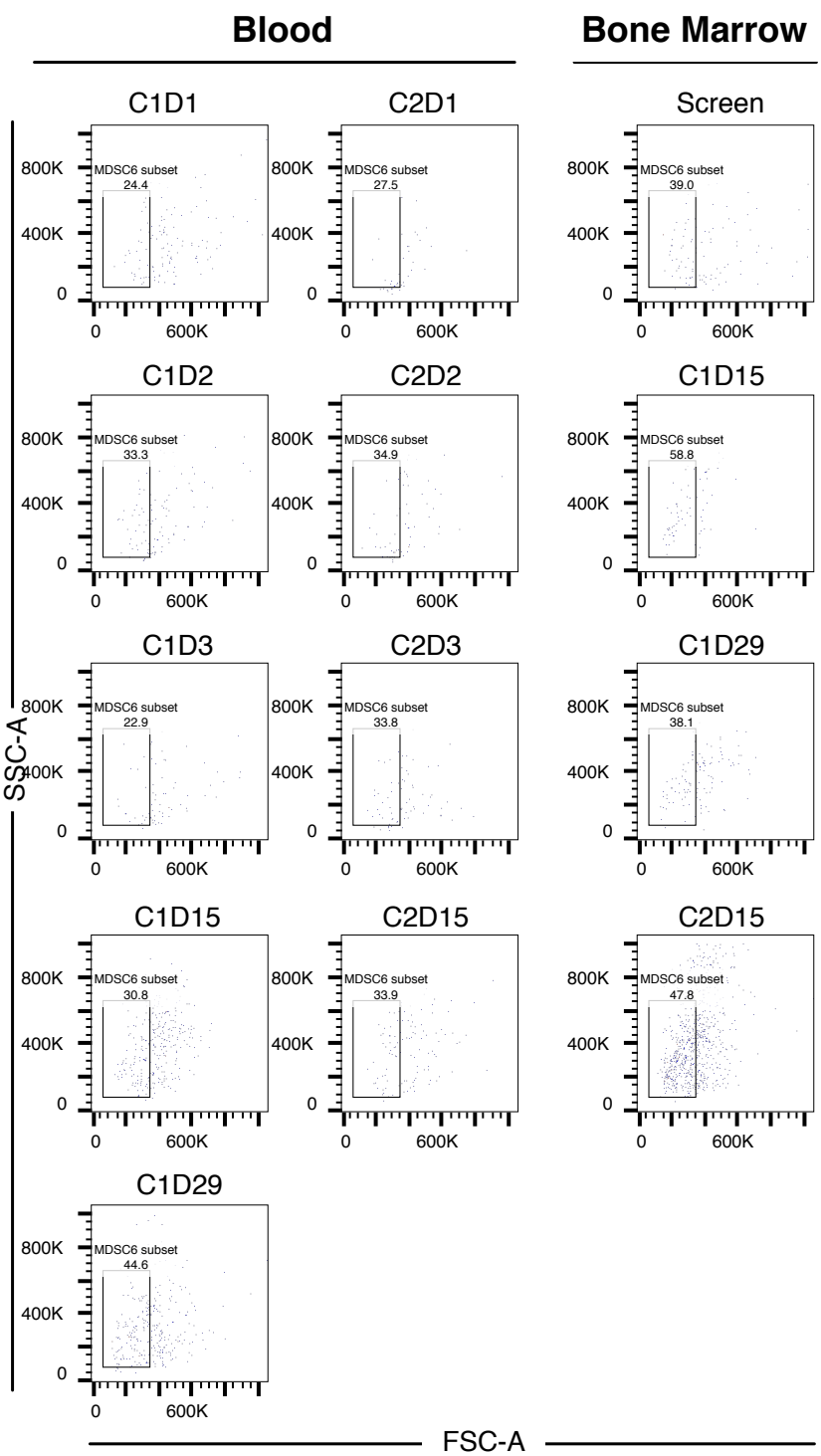


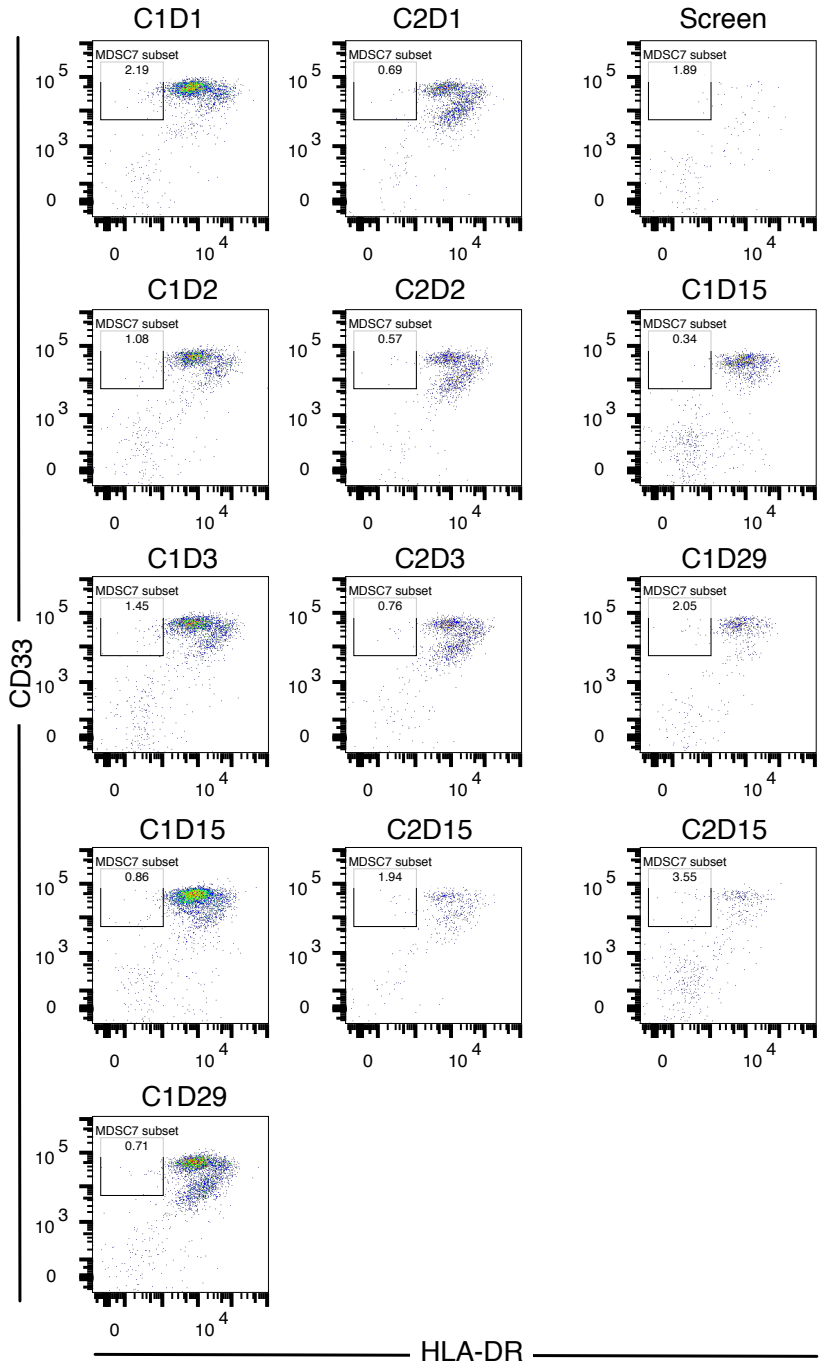

MDSC4 (CD45+CD14+HLADRlo/-)
Blood
Bone Marrow
C1D1
C2D1
Screen
C1D2
C2D2
C1D15
C1D3
C2D3
C1D29
C1D15
C2D15
C2D15
C1D29
MDSC4 subset
0.29
0.17
0.092
0.14
0.087
0.39
0.25
0.11
0.36
0.31
0.14
0.28
0.19
CD14
HLA-DR

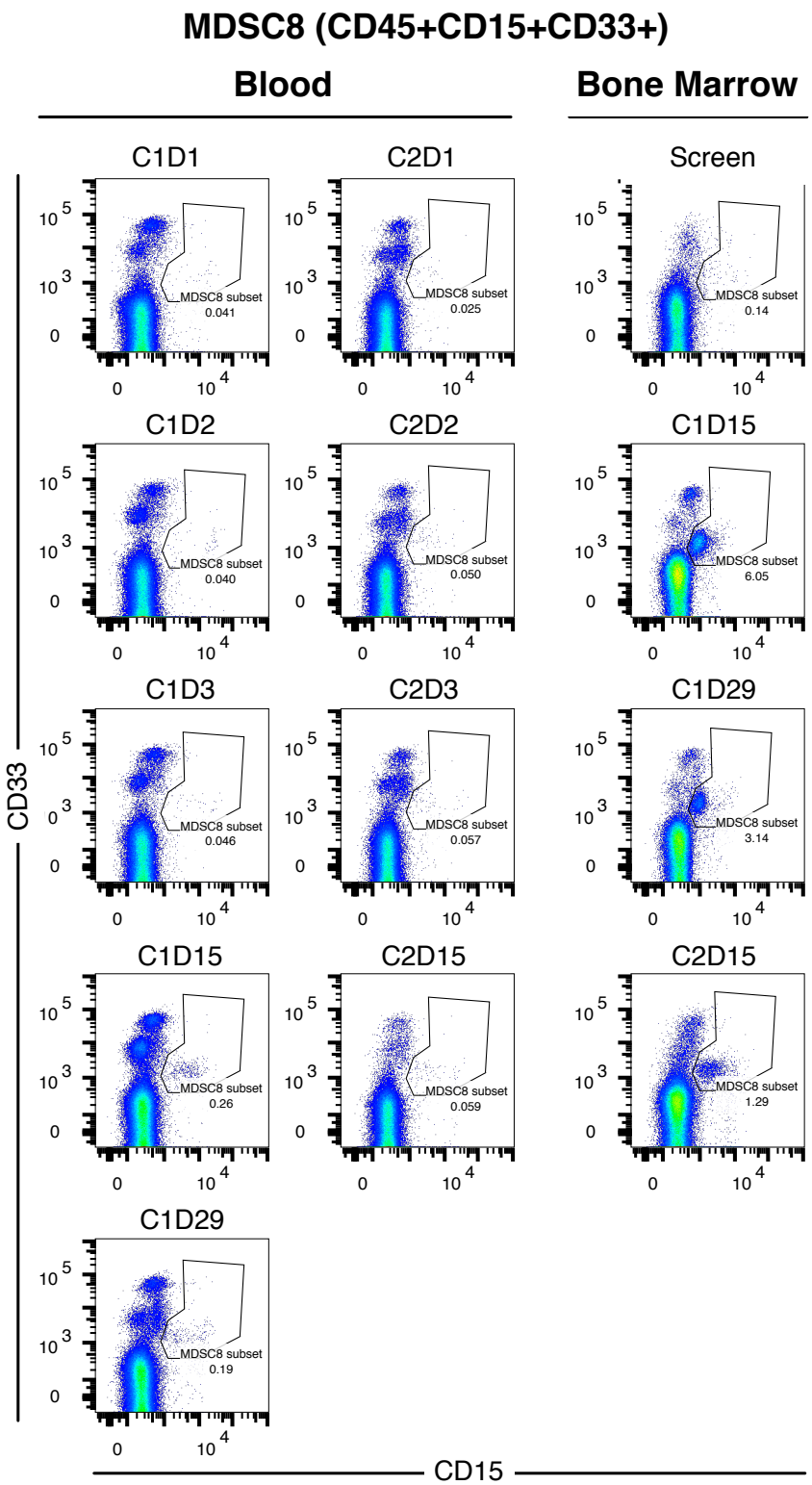

MDSC5 (CD45+CD15+CD14-CD11b+)
Blood
Bone Marrow
C1D1
MDSC5 subset
40.1
C2D1
MDSC5 subset
35.8
Screen
MDSC5 subset
42.1
C1D2
MDSC5 subset
38.4
C2D2
MDSC5 subset
34.2
C1D15
MDSC5 subset
86.4
C1D3
MDSC5 subset
37.1
C2D3
MDSC5 subset
35.1
C1D29
MDSC5 subset
76.8
C1D15
MDSC5 subset
47.2
C2D15
MDSC5 subset
37.3
C2D15
MDSC5 subset
69.5
C1D29
MDSC5 subset
57.5
800K
400K
0
SSC-A
CD11b

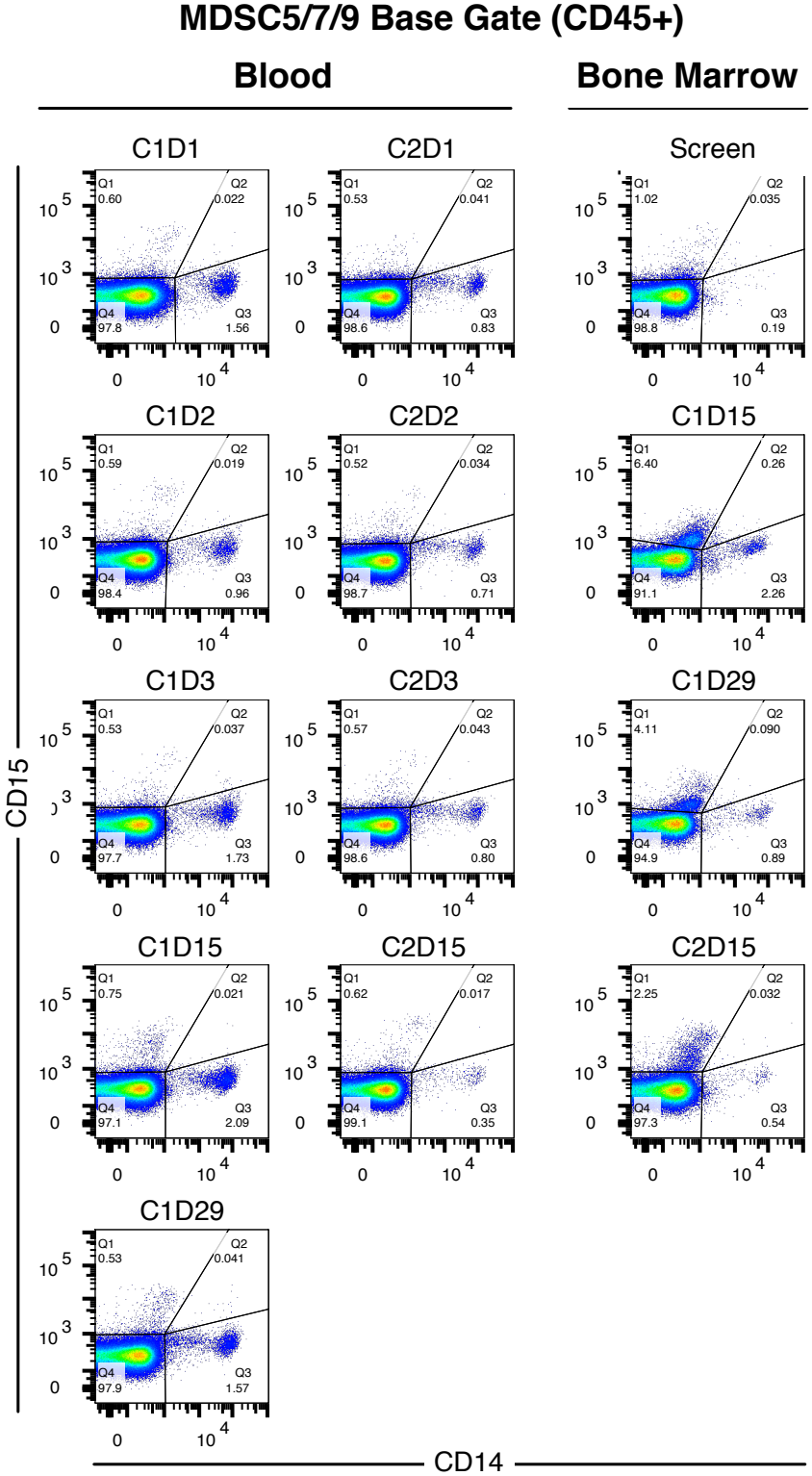

MDSC6 Base Gate (CD45+CD15hi)
Blood
Bone Marrow
C1D1
C2D1
Screen
C1D2
C2D2
C1D15
C1D3
C2D3
C1D29
C1D15
C2D15
C2D15
C1D29
CD15+ subset
0.064
0.018
0.071
0.050
0.032
0.11
0.046
0.039
0.15
0.15
0.070
0.58
0.14
(#events)
CD15

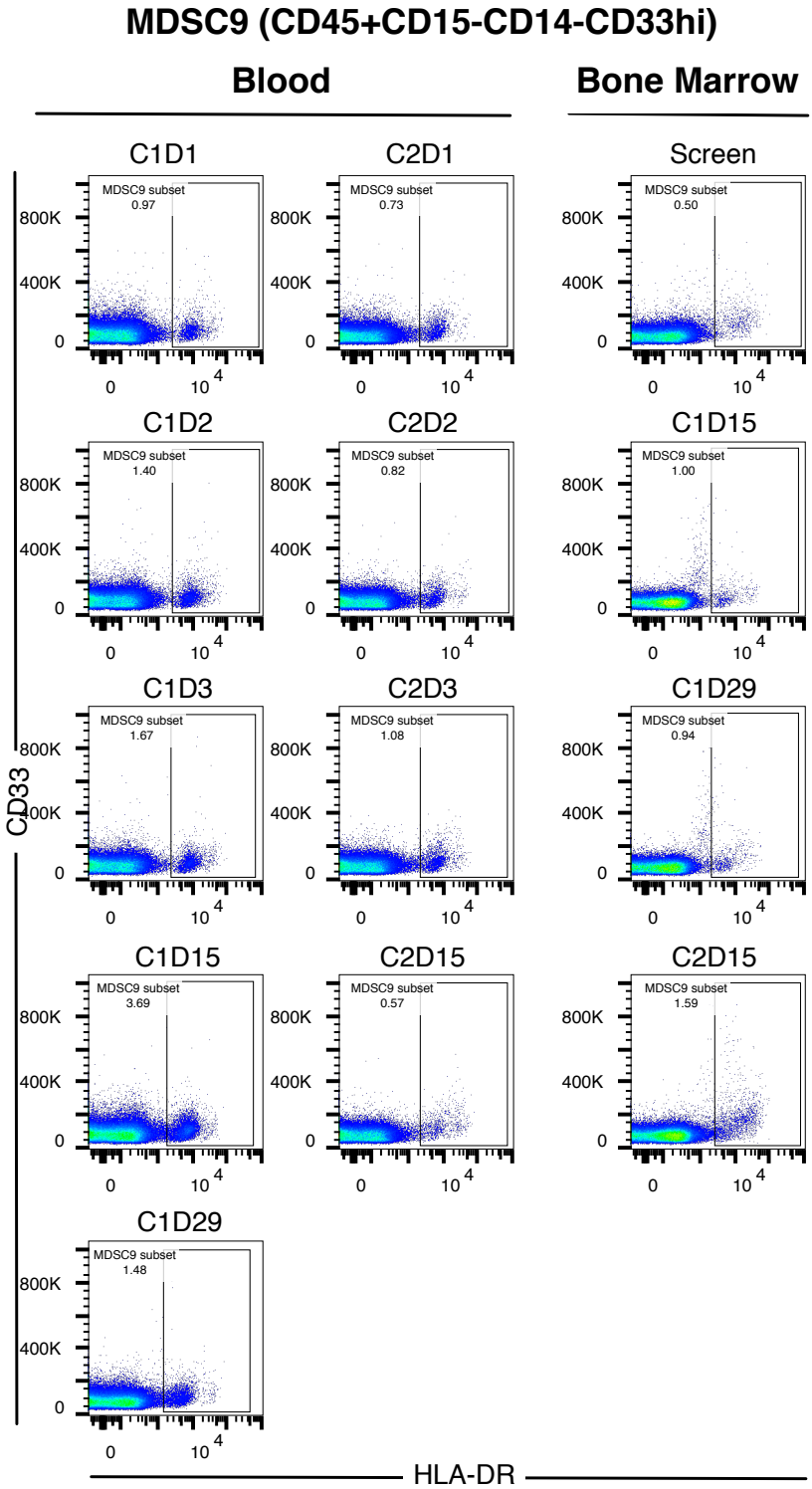
MDSC6 (CD45+CD15hiSSChiFSClo)

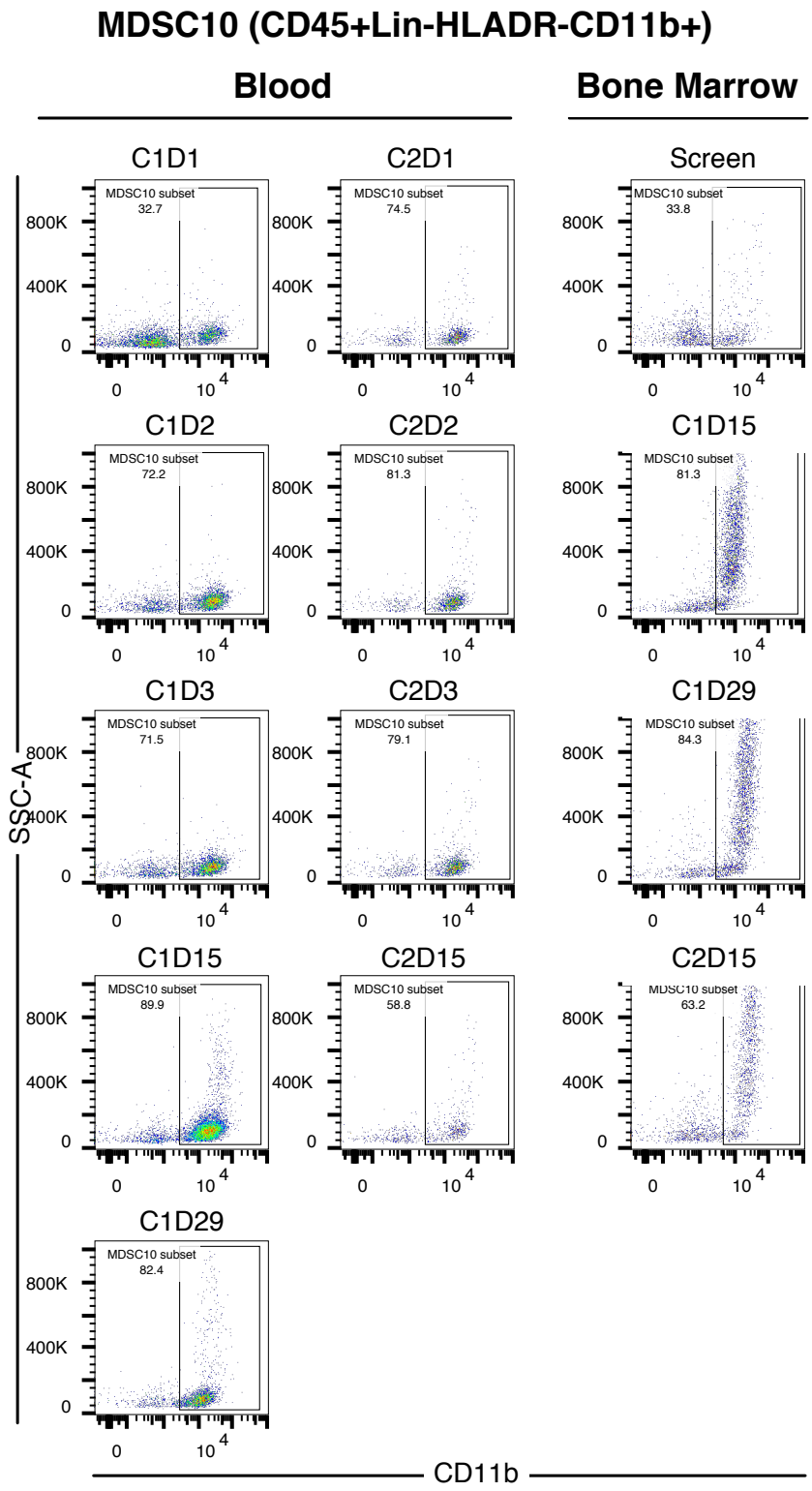


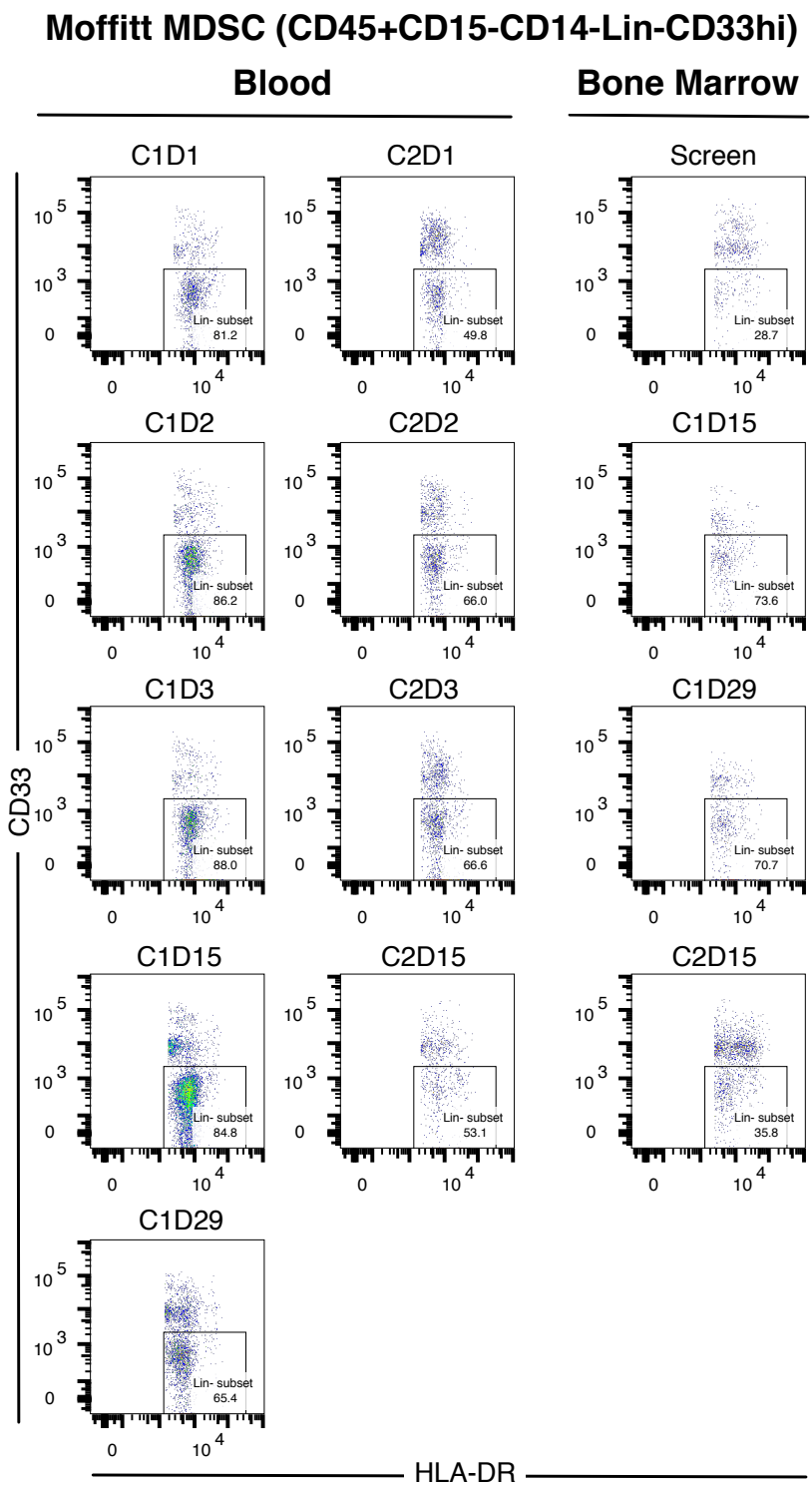

MDSC7 (CD45+CD15-CD14+CD33hiHLADRlo)
Blood
Bone Marrow
C1D1
MDSC7 subset
2.19
C2D1
MDSC7 subset
0.69
Screen
MDSC7 subset
1.89
C1D2
MDSC7 subset
1.08
C2D2
MDSC7 subset
0.57
C1D15
MDSC7 subset
0.34
C1D3
MDSC7 subset
1.45
C2D3
MDSC7 subset
0.76
C1D29
MDSC7 subset
2.05
C1D15
MDSC7 subset
0.86
C2D15
MDSC7 subset
1.94
C2D15
MDSC7 subset
3.55
C1D29
MDSC7 subset
0.71
CD33
HLA-DR


MDSC8 (CD45+CD15+CD33+)
Blood
Bone Marrow
C1D1
C2D1
Screen
C1D2
C2D2
C1D15
C1D3
C2D3
C1D29
C1D15
C2D15
C2D15
C1D29
MDSC8 subset
0.041
0.025
0.14
0.040
0.050
6.05
0.046
0.057
3.14
0.26
0.059
1.29
0.19
CD33
CD15

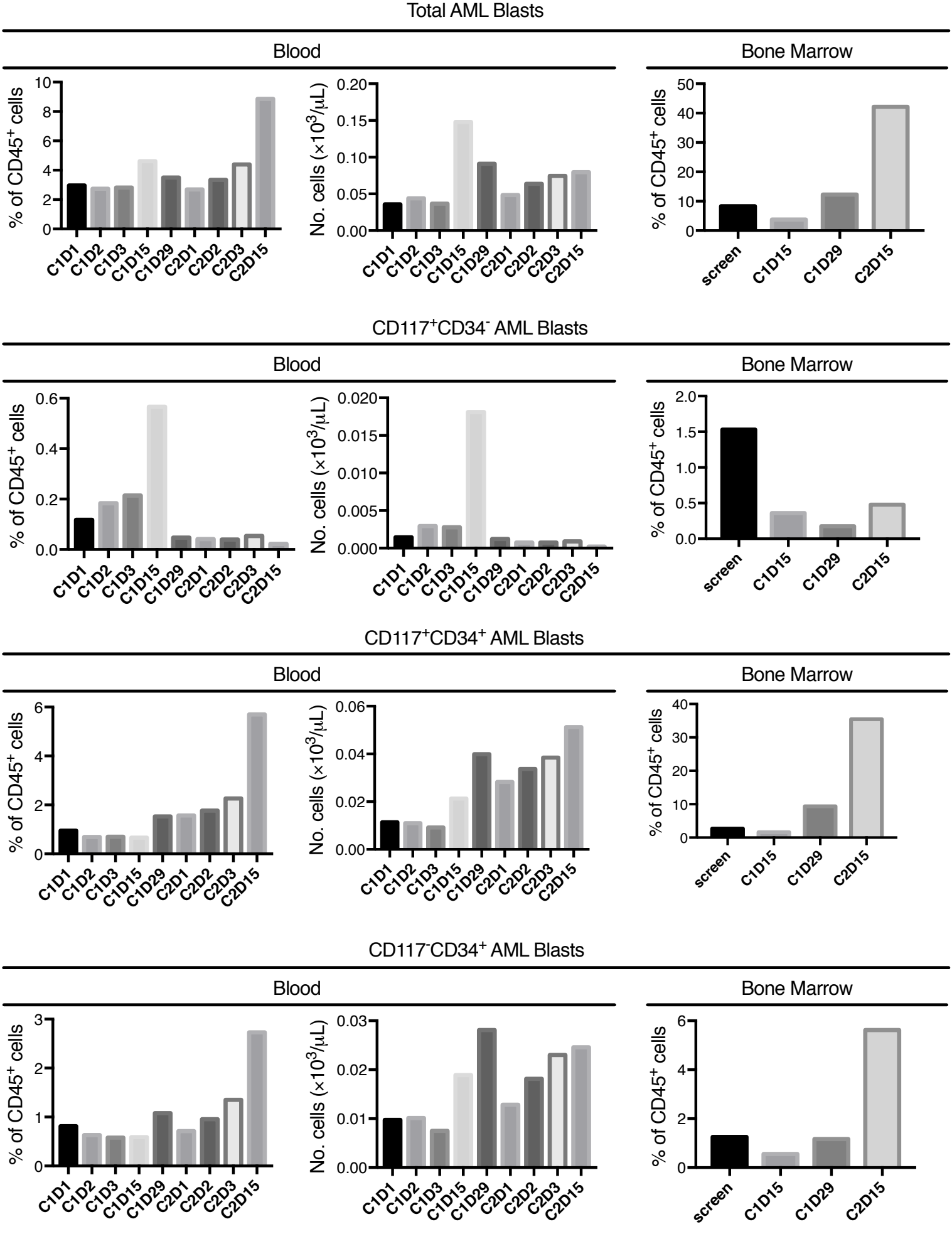

MDSC5/7/9 Base Gate (CD45+)
Blood
Bone Marrow
C1D1
Q1 0.60
Q2 0.022
Q4 97.8
Q3 1.56
C2D1
Q1 0.53
Q2 0.041
Q4 98.6
Q3 0.83
Screen
Q1 1.02
Q2 0.035
Q4 98.8
Q3 0.19
C1D2
Q1 0.59
Q2 0.019
Q4 98.4
Q3 0.96
C2D2
Q1 0.52
Q2 0.034
Q4 98.7
Q3 0.71
C1D15
Q1 6.40
Q2 0.26
Q4 91.1
Q3 2.26
C1D3
Q1 0.53
Q2 0.037
Q4 97.7
Q3 1.73
C2D3
Q1 0.57
Q2 0.043
Q4 98.6
Q3 0.80
C1D29
Q1 4.11
Q2 0.090
Q4 94.9
Q3 0.89
C1D15
Q1 0.75
Q2 0.021
Q4 97.1
Q3 2.09
C2D15
Q1 0.62
Q2 0.017
Q4 99.1
Q3 0.35
C2D15
Q1 2.25
Q2 0.032
Q4 97.3
Q3 0.54
C1D29
Q1 0.53
Q2 0.041
Q4 97.9
Q3 1.57
CD15
CD14


MDSC9 (CD45+CD15-CD14-CD33hi)
Blood
Bone Marrow
C1D1
MDSC9 subset
0.97
C2D1
MDSC9 subset
0.73
Screen
MDSC9 subset
0.50
C1D2
MDSC9 subset
1.40
C2D2
MDSC9 subset
0.82
C1D15
MDSC9 subset
1.00
C1D3
MDSC9 subset
1.67
C2D3
MDSC9 subset
1.08
C1D29
MDSC9 subset
0.94
C1D15
MDSC9 subset
3.69
C2D15
MDSC9 subset
0.57
C2D15
MDSC9 subset
1.59
C1D29
MDSC9 subset
1.48
800K
400K
0
0
10 4
CD33
HLA-DR


MDSC10 (CD45+Lin-HLADR-CD11b+)
Blood
Bone Marrow
C1D1
MDSC10 subset
32.7
C2D1
MDSC10 subset
74.5
Screen
MDSC10 subset
33.8
C1D2
MDSC10 subset
72.2
C2D2
MDSC10 subset
81.3
C1D15
MDSC10 subset
81.3
C1D3
MDSC10 subset
71.5
C2D3
MDSC10 subset
79.1
C1D29
MDSC10 subset
84.3
C1D15
MDSC10 subset
89.9
C2D15
MDSC10 subset
58.8
C2D15
MDSC10 subset
63.2
C1D29
MDSC10 subset
82.4
800K
400K
0
10 4
SSC-A
CD11b


Moffitt MDSC (CD45+CD15-CD14-Lin-CD33hi)
Blood
Bone Marrow
C1D1
C2D1
Screen
C1D2
C2D2
C1D15
C1D3
C2D3
C1D29
C1D15
C2D15
C2D15
C1D29
Lin- subset
81.2
49.8
28.7
86.2
66.0
73.6
88.0
66.6
70.7
84.8
53.1
35.8
65.4
CD33
HLA-DR

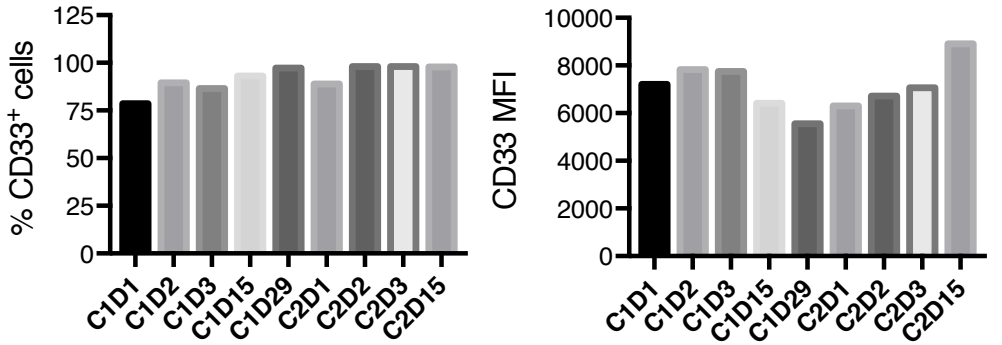
Analysis of AML blasts
mAb Set #2


Total AML Blasts
Blood
% of CD45+ cells
No. cells (×10^3/μL)
Bone Marrow
% of CD45+ cells
C1D1
C1D2
C1D3
C1D15
C1D29
C2D1
C2D2
C2D3
C2D15
screen
CD117+CD34- AML Blasts
CD117+CD34+ AML Blasts
CD117-CD34+ AML Blasts

Expression of CD33 on AML Blasts
mAb Set #2

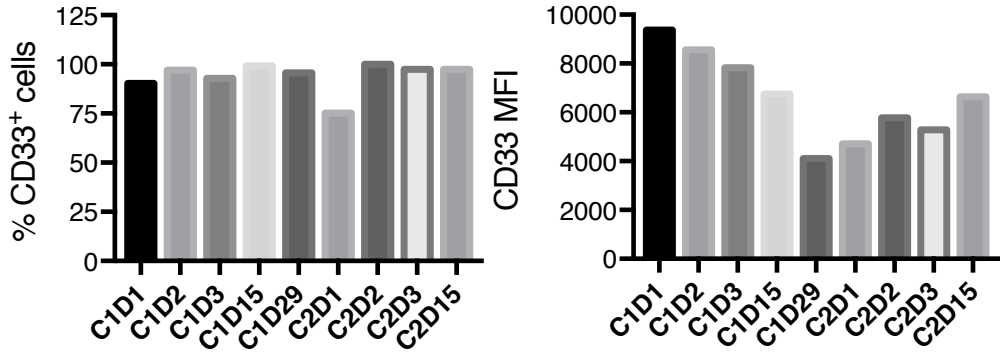
Total AML Blasts

Blood



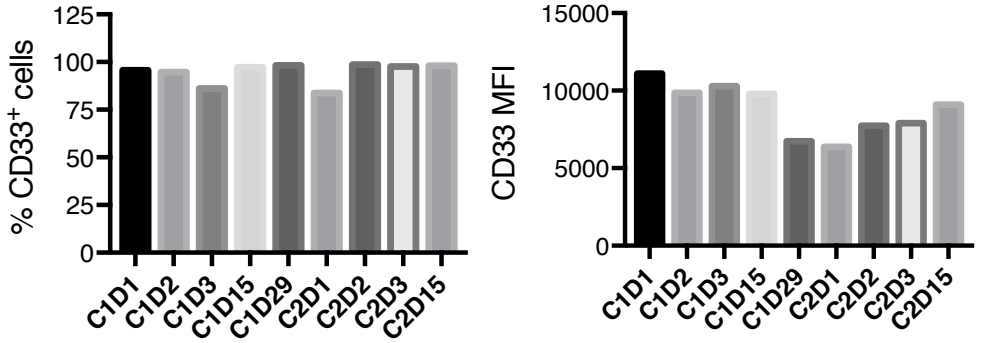
$CD117^{+}CD34^{-}$ AML Blasts

Blood



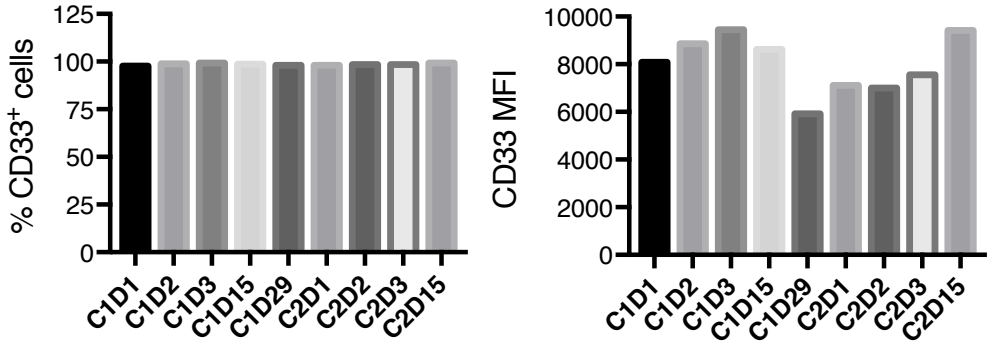
$CD117^{+}CD34^{+}$ AML Blasts

Blood



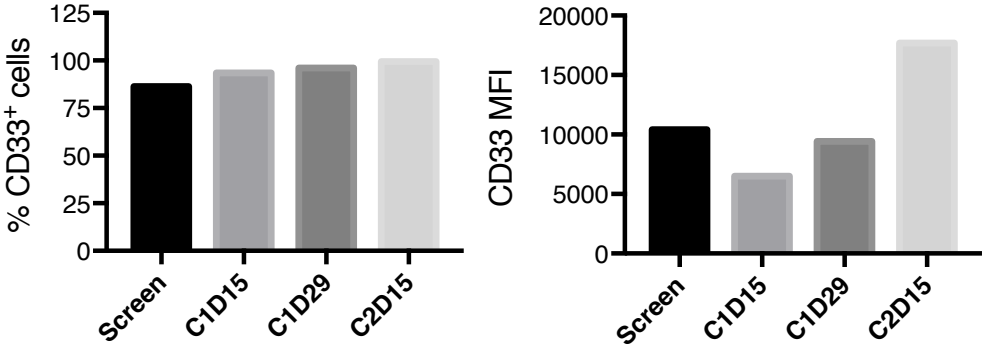
$CD117^{-}CD34^{+}$ AML Blasts

Blood



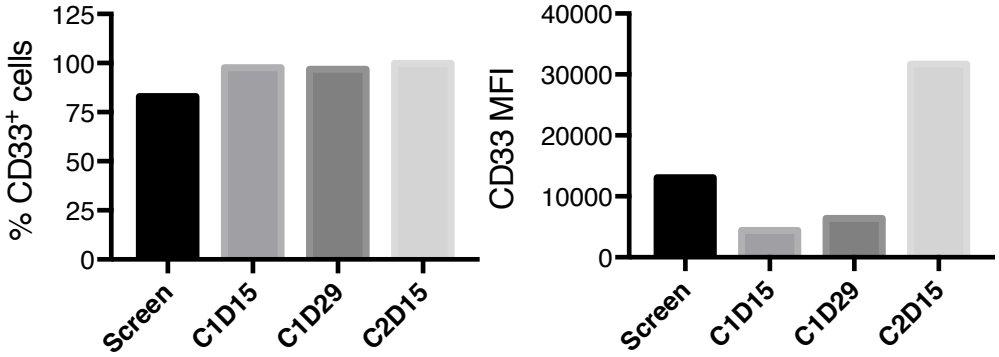
Total AML Blasts

Bone Marrow



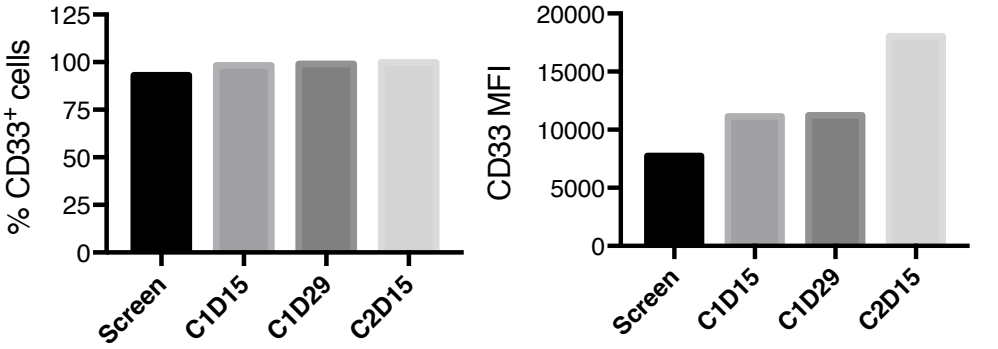
CD117+CD34- AML Blasts

Bone Marrow



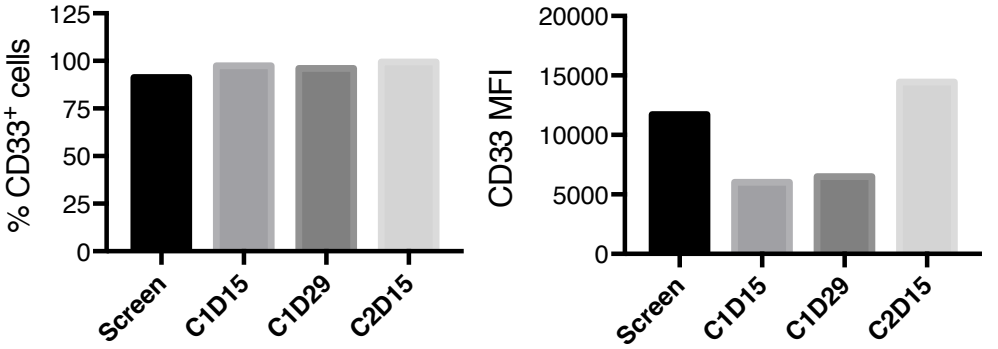
CD117+CD34+ AML Blasts

Bone Marrow

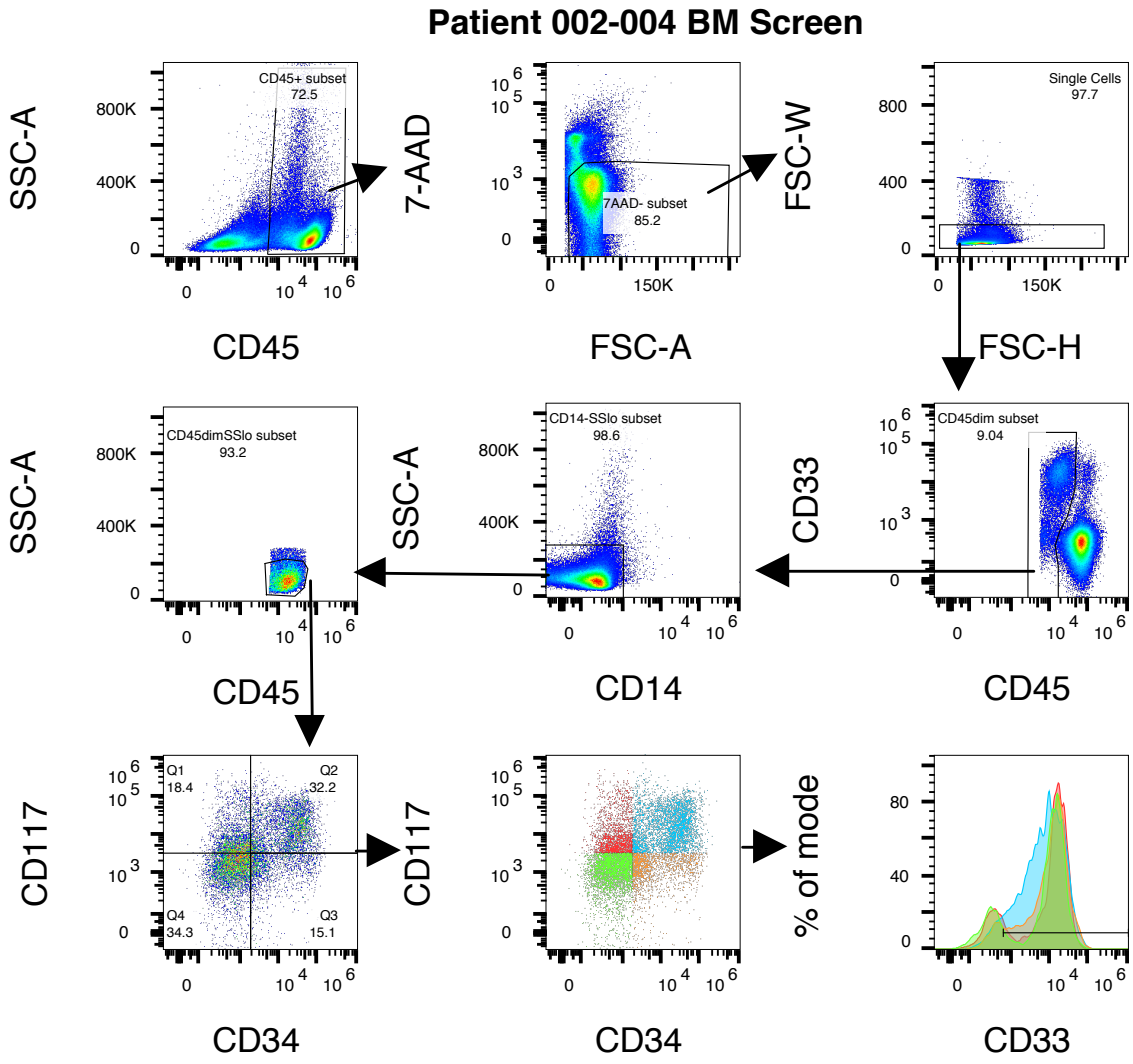


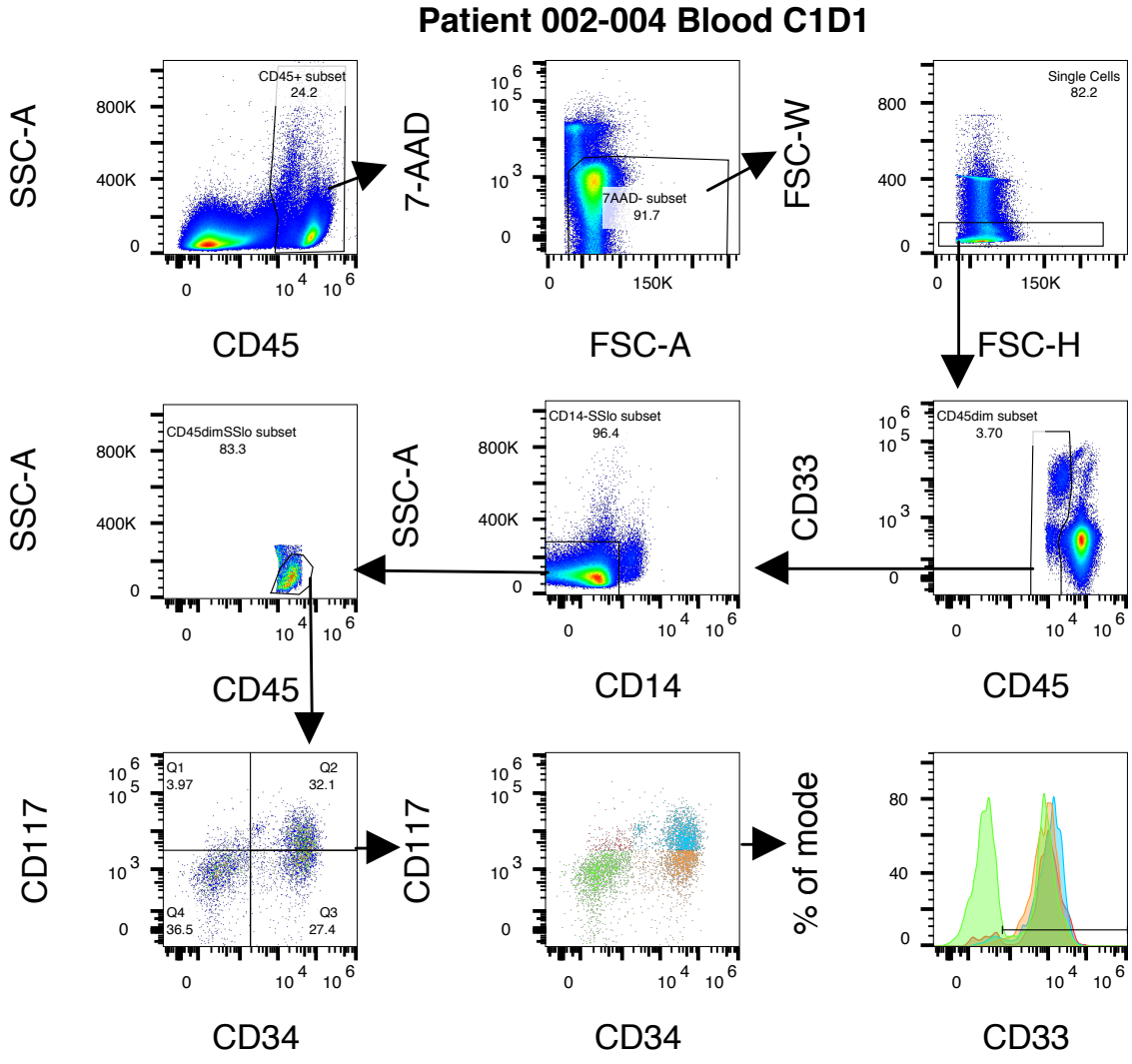
CD117-CD34+ AML Blasts

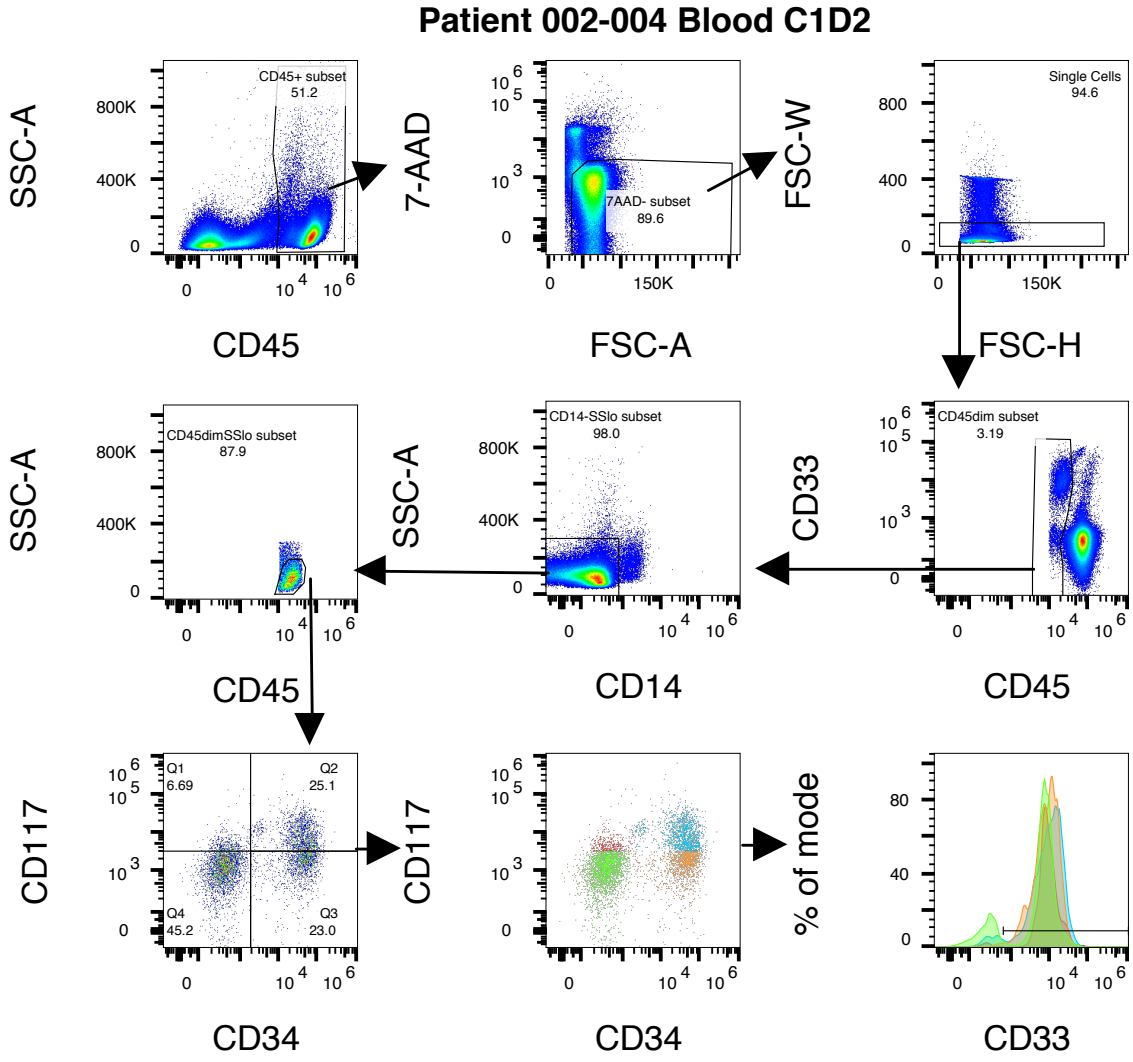
Bone Marrow

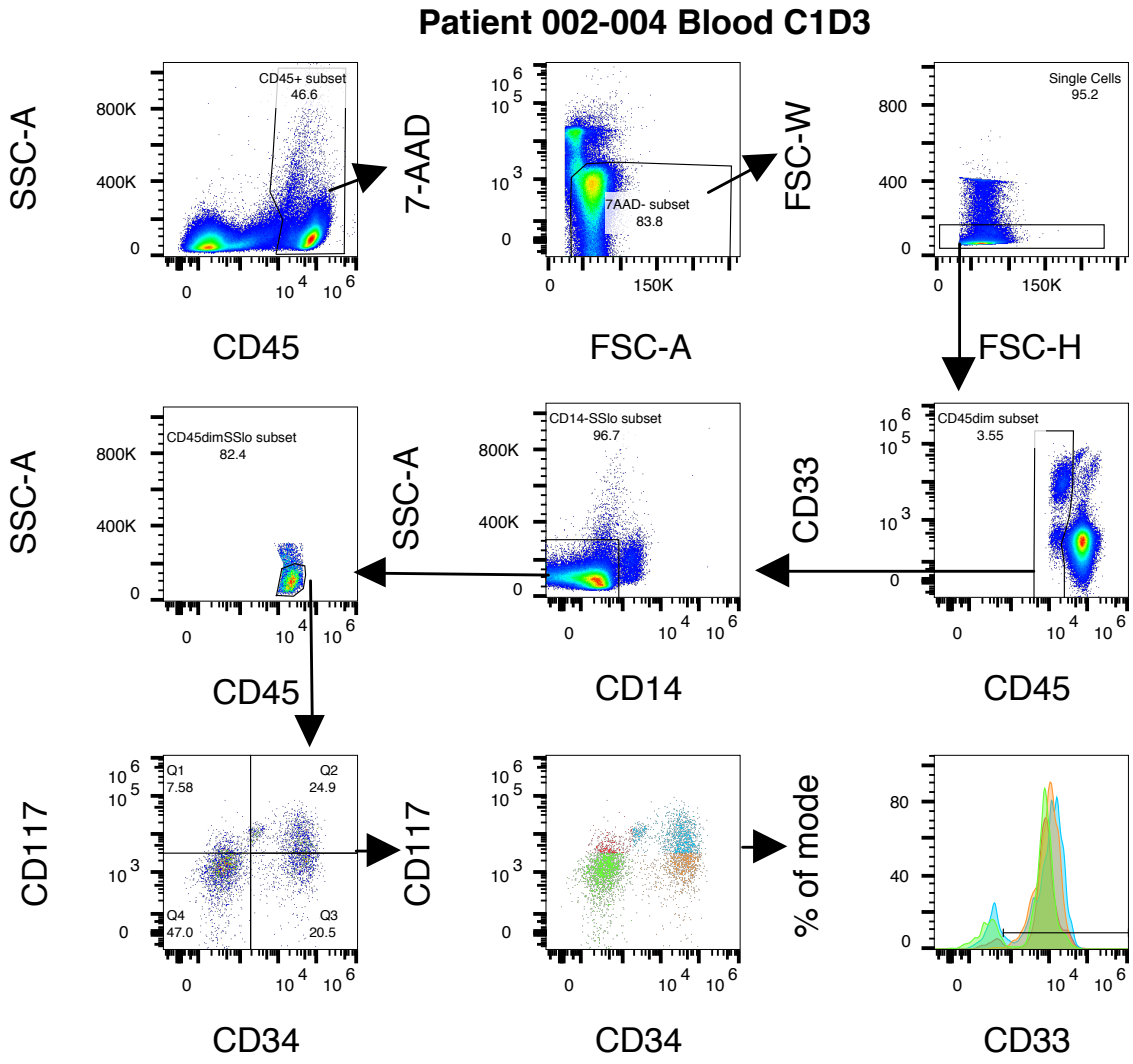


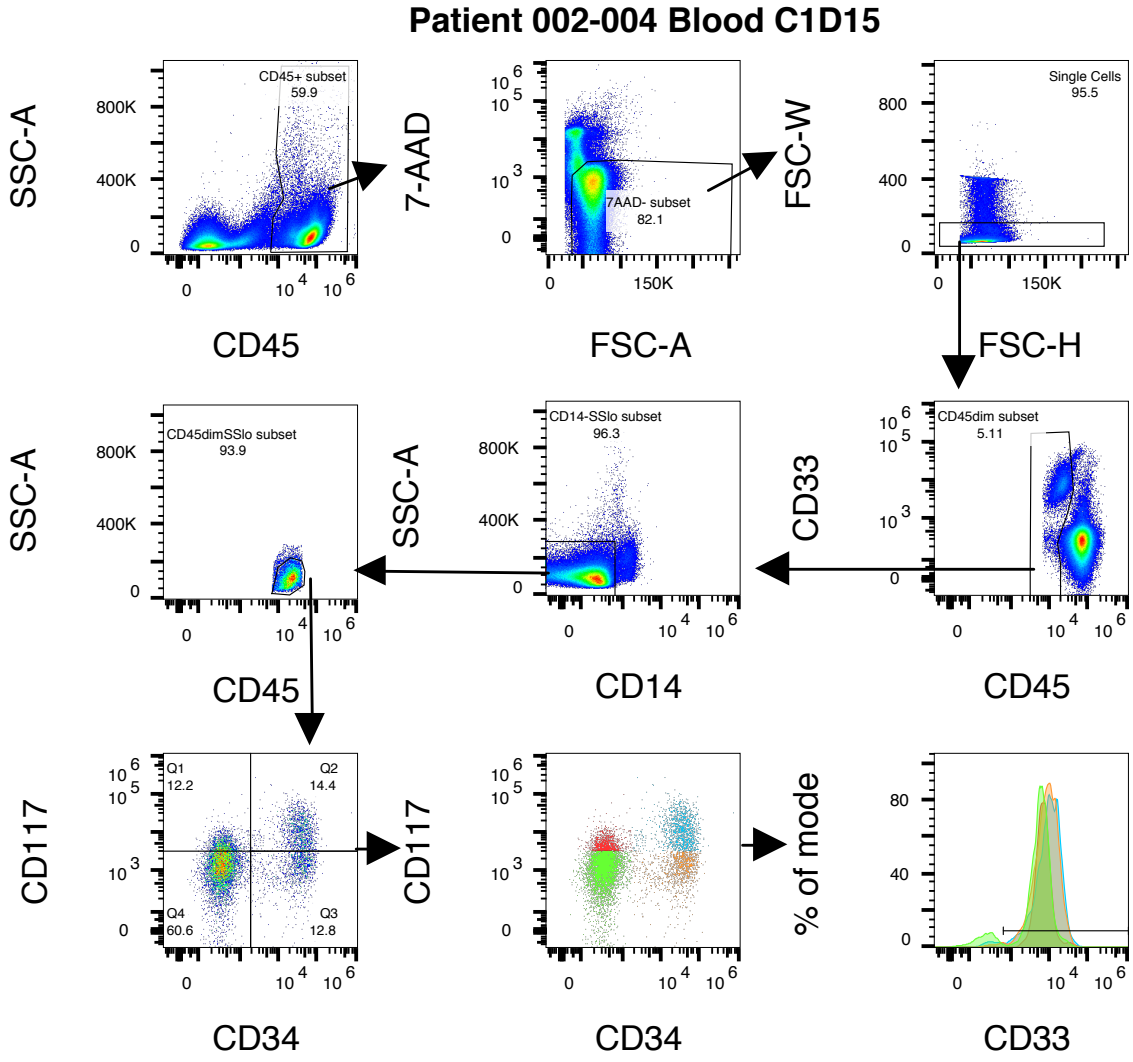
FACS profiles of AML Blasts
mAb Set #2

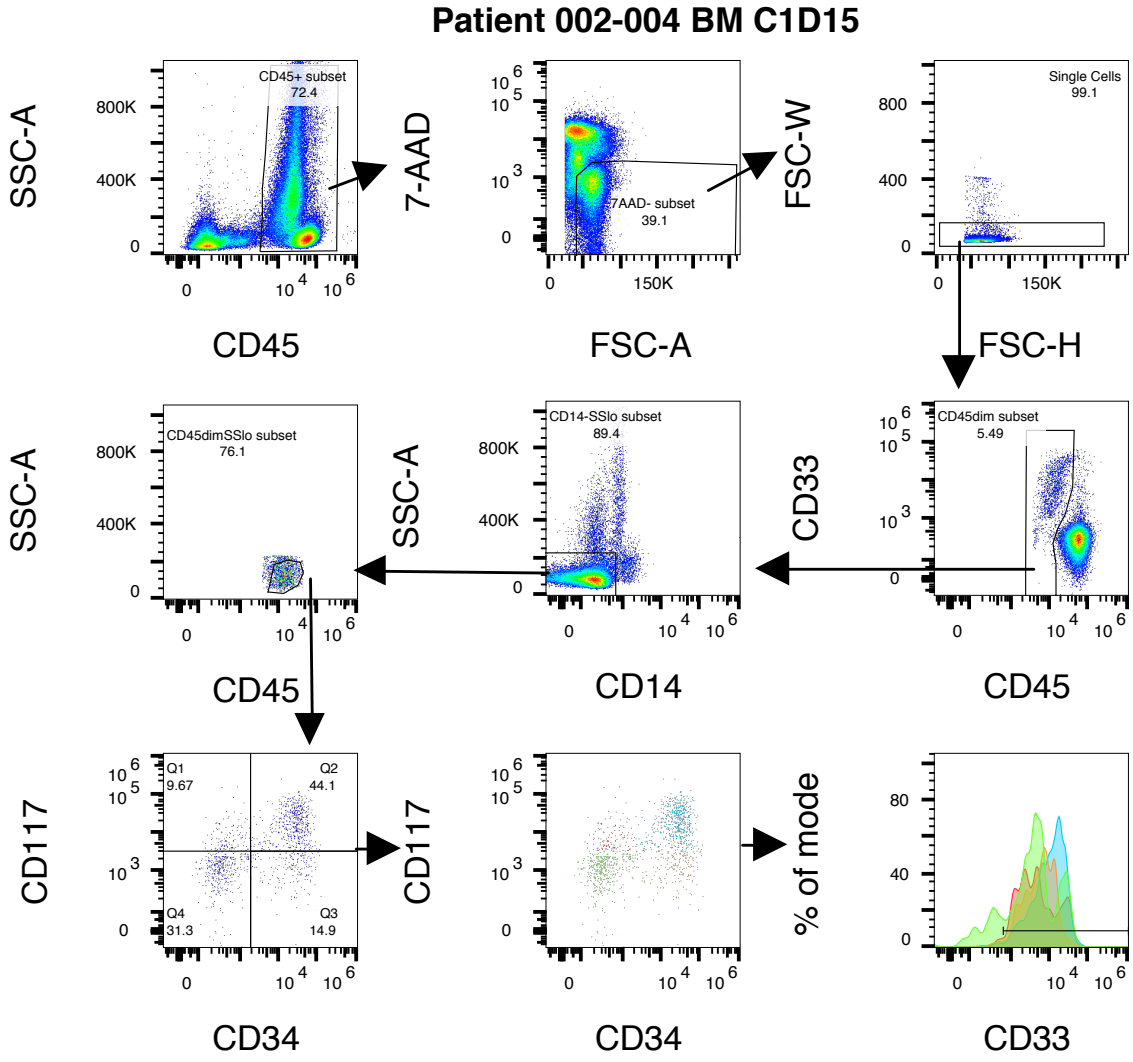

Patient 002-004 BM Screen
SSC-A
800K
400K
0
CD45+ subset
72.5
0
10 4
10 6
CD45
7-AAD
10 6
10 5
10 3
0
7AAD- subset
85.2
0
150K
FSC-A
FSC-W
800
400
0
Single Cells
97.7
0
150K
FSC-H
SSC-A
800K
400K
0
CD45dimSSlo subset
93.2
0
10 4
10 6
CD45
SSC-A
800K
400K
0
CD14-SSlo subset
98.6
0
10 4
10 6
CD14
CD33
10 6
10 5
10 3
0
CD45dim subset
9.04
0
10 4
10 6
CD45
CD117
10 6
10 5
10 3
0
Q1
18.4
Q2
32.2
Q4
34.3
Q3
15.1
0
10 4
10 6
CD34
CD117
10 6
10 5
10 3
0
0
10 4
10 6
CD34
% of mode
80
40
0
0
10 4
10 6
CD33

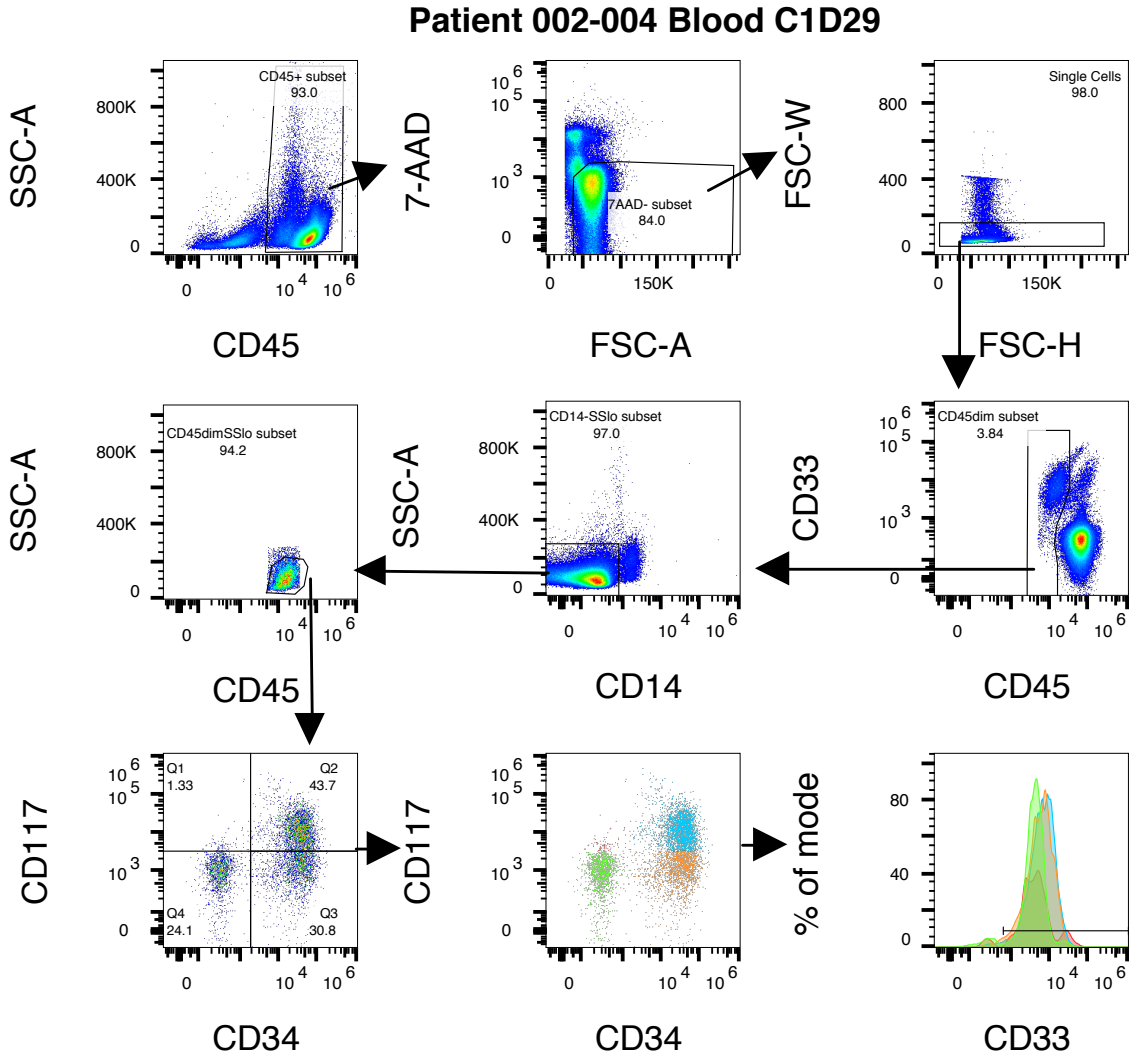

Patient 002-004 Blood C1D1
SSC-A
CD45+ subset
24.2
800K
400K
0
0
10 4
10 6
CD45
7-AAD
10 6
10 5
10 3
0
7AAD- subset
91.7
0
150K
FSC-A
FSC-W
Single Cells
82.2
800
400
0
0
150K
FSC-H
SSC-A
CD45dimSSlo subset
83.3
800K
400K
0
0
10 4
10 6
CD45
SSC-A
CD14-SSlo subset
96.4
800K
400K
0
0
10 4
10 6
CD14
CD33
10 6
10 5
10 3
0
CD45dim subset
3.70
0
10 4
10 6
CD45
CD117
10 6
10 5
10 3
0
Q1
3.97
Q2
32.1
Q4
36.5
Q3
27.4
0
10 4
10 6
CD34
CD117
10 6
10 5
10 3
0
0
10 4
10 6
CD34
% of mode
80
40
0
0
10 4
10 6
CD33

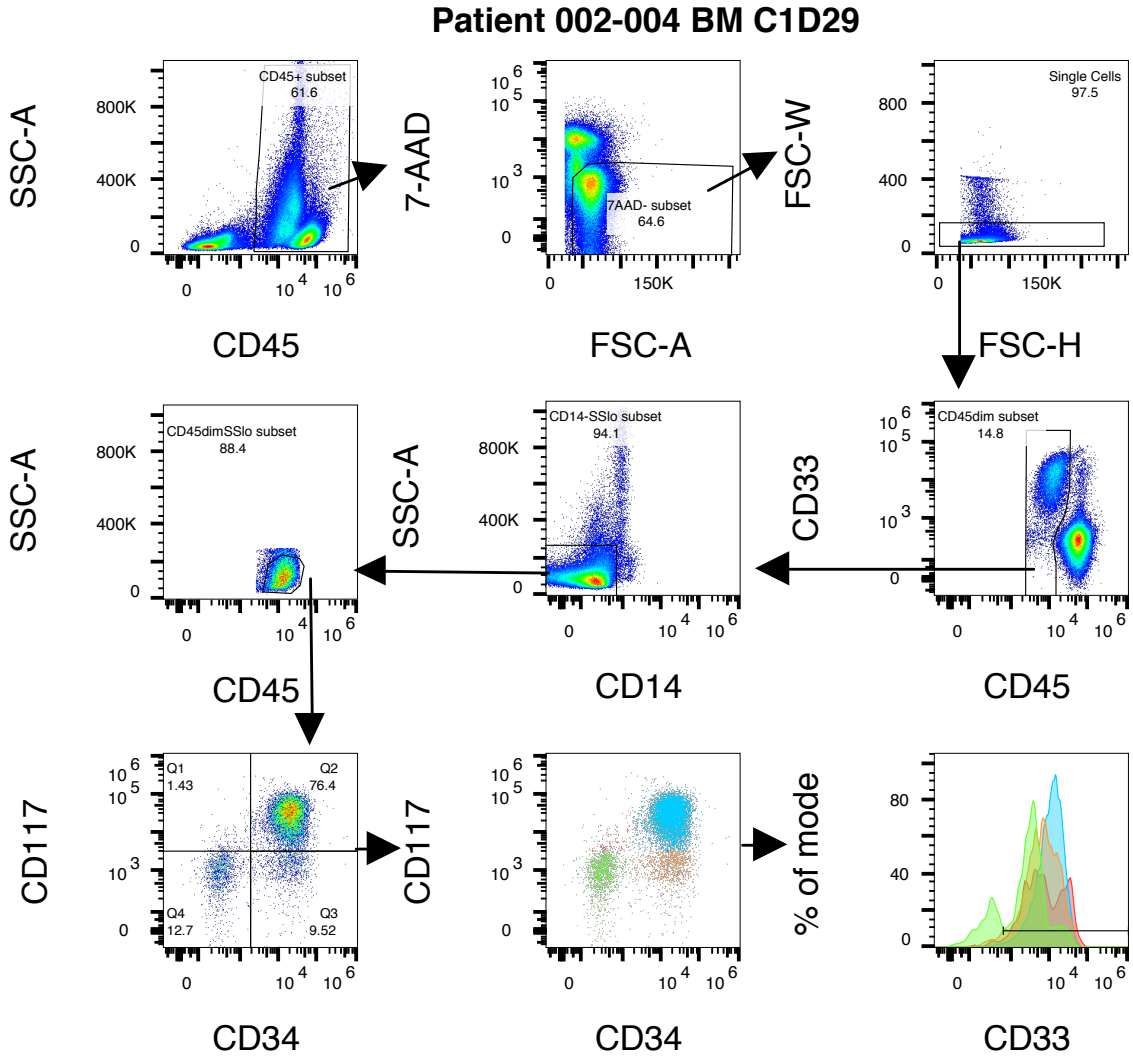

Patient 002-004 Blood C1D2
SSC-A
CD45
CD45+ subset
51.2
7-AAD
FSC-A
7AAD- subset
89.6
FSC-W
FSC-H
Single Cells
94.6
CD45dimSSlo subset
87.9
CD14-SSlo subset
98.0
CD14
CD33
CD45dim subset
3.19
CD45
CD117
CD34
Q1
6.69
Q2
25.1
Q4
45.2
Q3
23.0
% of mode
CD33

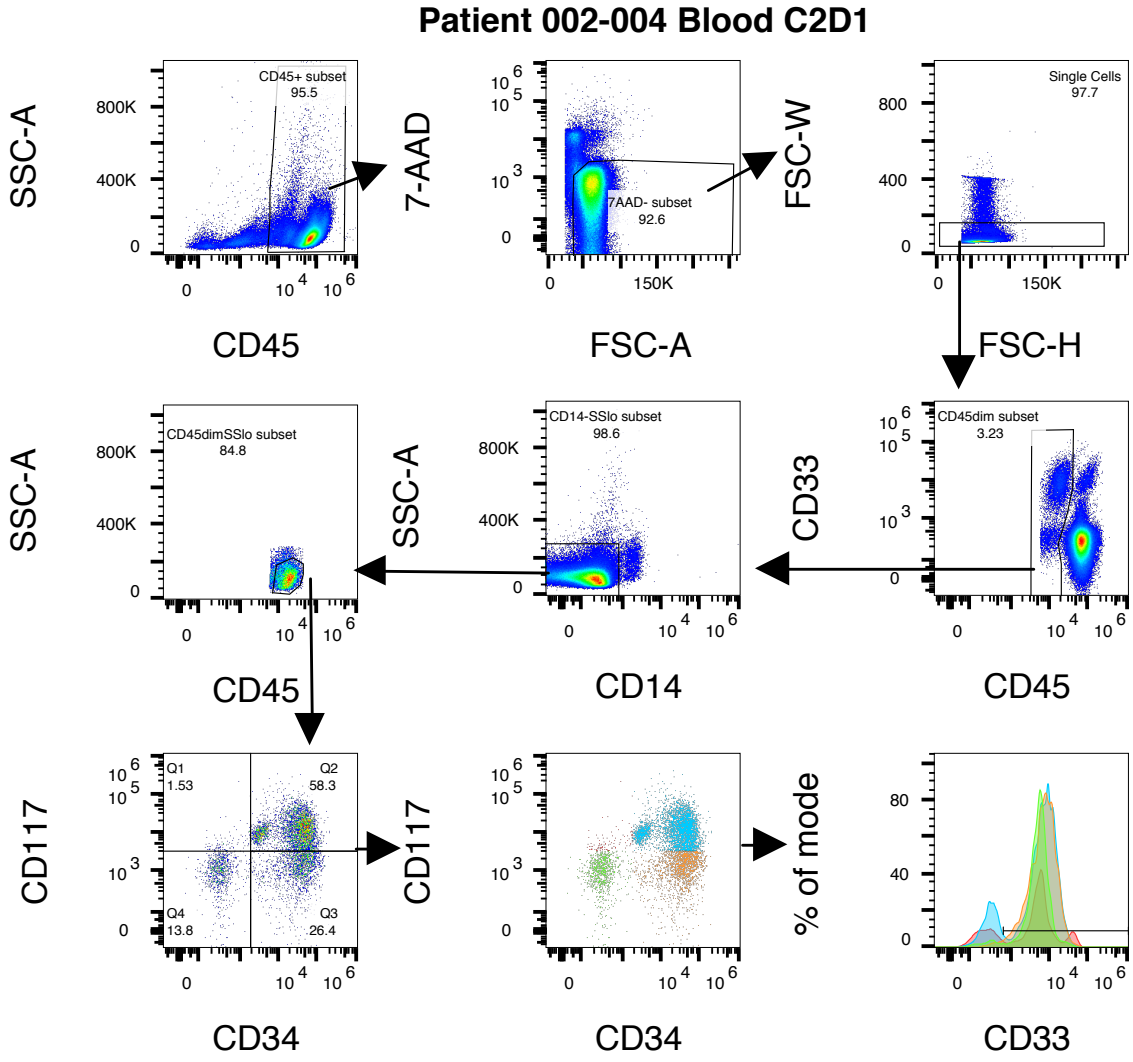

Patient 002-004 Blood C1D3
SSC-A
CD45
CD45+ subset
46.6
7-AAD
FSC-A
7AAD- subset
83.8
FSC-W
FSC-H
Single Cells
95.2
CD45dimSSlo subset
82.4
CD14-SSlo subset
96.7
CD33
CD45dim subset
3.55
CD14
CD45
CD117
CD34
Q1
7.58
Q2
24.9
Q4
47.0
Q3
20.5
% of mode

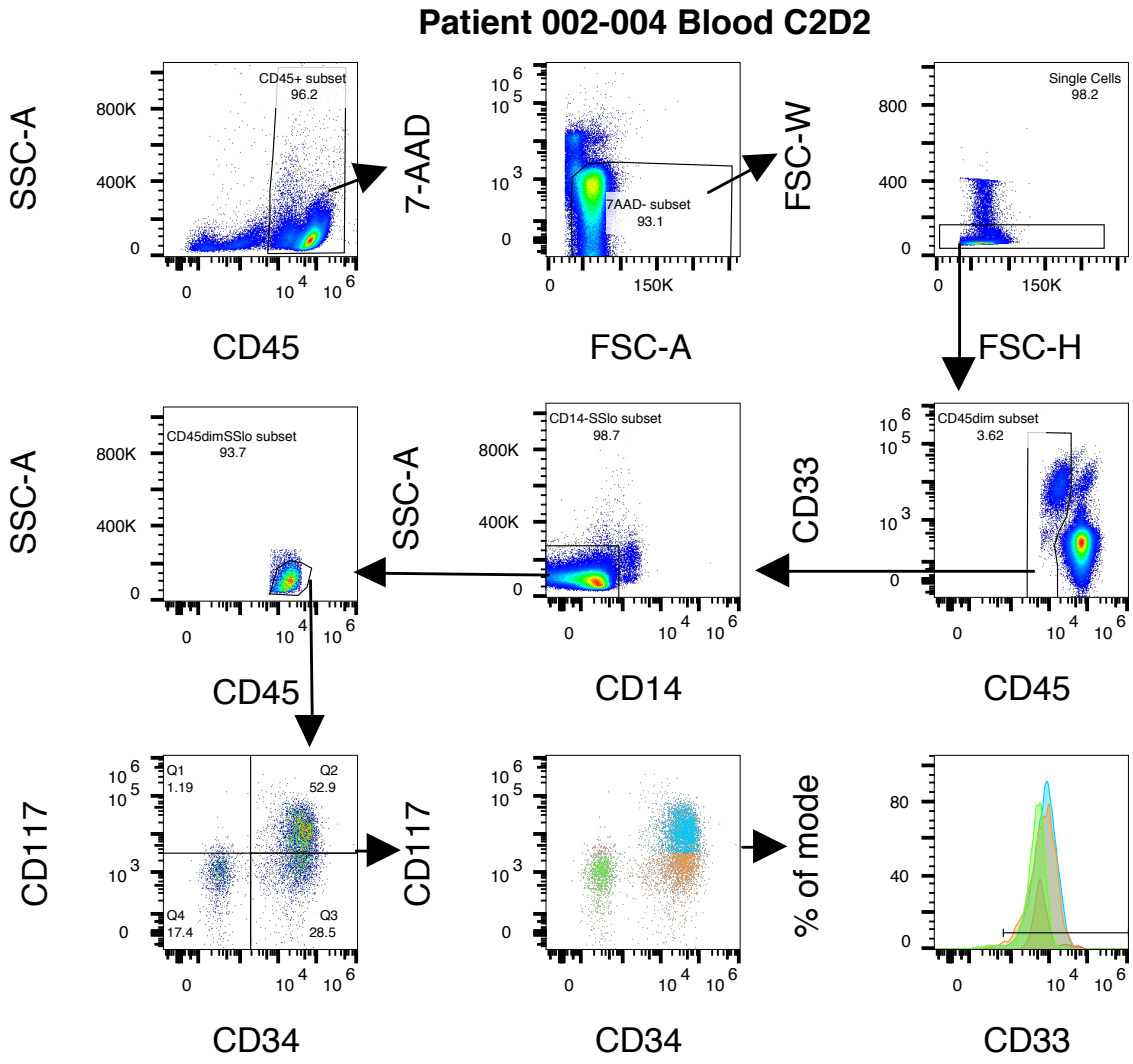

Patient 002-004 Blood C1D15
SSC-A
CD45+ subset
59.9
800K
400K
0
0
10 4
10 6
CD45
7-AAD
10 6
10 5
10 3
0
7AAD- subset
82.1
0
150K
FSC-A
FSC-W
Single Cells
95.5
800
400
0
0
150K
FSC-H
SSC-A
CD45dimSSlo subset
93.9
800K
400K
0
0
10 4
10 6
CD45
SSC-A
CD14-SSlo subset
96.3
800K
400K
0
0
10 4
10 6
CD14
CD33
10 6
10 5
10 3
0
CD45dim subset
5.11
0
10 4
10 6
CD45
CD117
Q1
12.2
Q2
14.4
Q4
60.6
Q3
12.8
10 6
10 5
10 3
0
0
10 4
10 6
CD34
CD117
10 6
10 5
10 3
0
0
10 4
10 6
CD34
% of mode
80
40
0
0
10 4
10 6
CD33

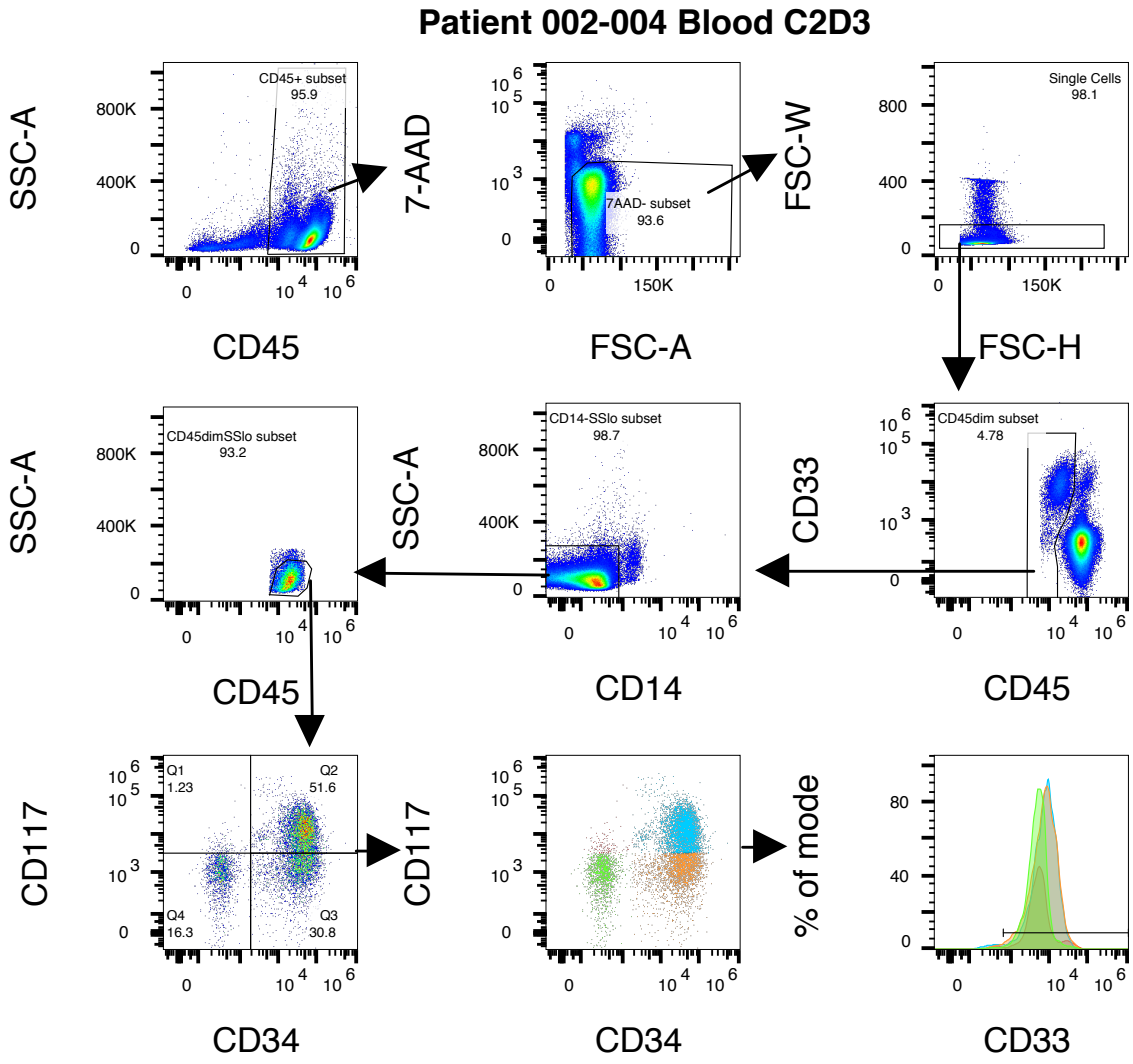

Patient 002-004 BM C1D15
SSC-A
CD45+ subset
72.4
800K
400K
0
0
10 4
10 6
CD45
7-AAD
10 6
10 5
10 3
0
7AAD- subset
39.1
0
150K
FSC-A
FSC-W
Single Cells
99.1
800
400
0
0
150K
FSC-H
SSC-A
CD45dimSSlo subset
76.1
800K
400K
0
0
10 4
10 6
CD45
SSC-A
CD14-SSlo subset
89.4
800K
400K
0
0
10 4
10 6
CD14
CD33
10 6
10 5
10 3
0
CD45dim subset
5.49
0
10 4
10 6
CD45
CD117
Q1
9.67
Q2
44.1
Q4
31.3
Q3
14.9
10 6
10 5
10 3
0
0
10 4
10 6
CD34
CD117
10 6
10 5
10 3
0
0
10 4
10 6
CD34
% of mode
80
40
0
0
10 4
10 6
CD33

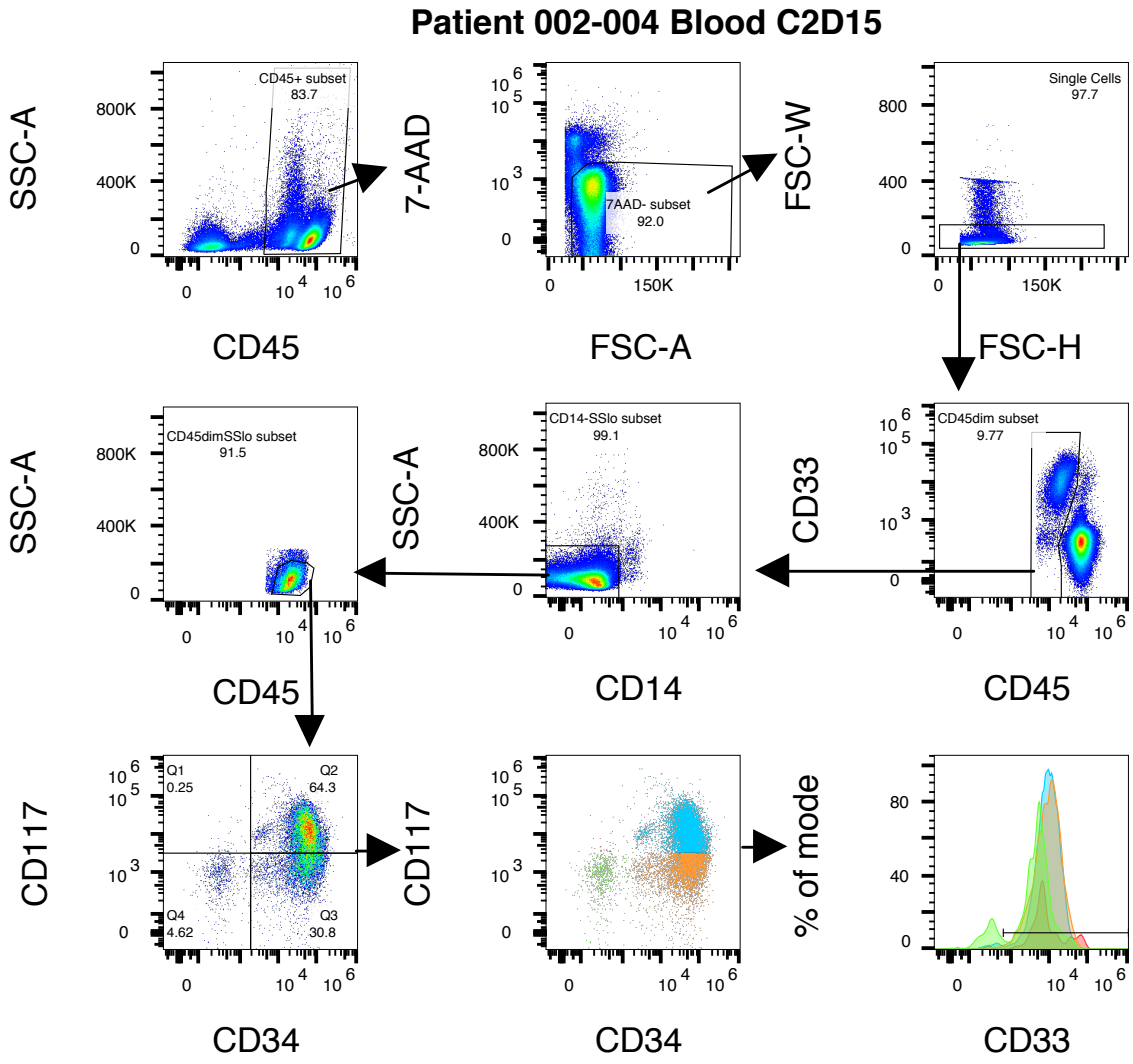

Patient 002-004 Blood C1D29
SSC-A
CD45+ subset
93.0
800K
400K
0
0
10 4
10 6
CD45
7-AAD
10 6
10 5
10 3
0
7AAD- subset
84.0
0
150K
FSC-A
FSC-W
Single Cells
98.0
800
400
0
0
150K
FSC-H
SSC-A
CD45dimSSlo subset
94.2
800K
400K
0
0
10 4
10 6
CD45
SSC-A
CD14-SSlo subset
97.0
800K
400K
0
0
10 4
10 6
CD14
CD33
10 6
10 5
10 3
0
CD45dim subset
3.84
0
10 4
10 6
CD45
CD117
Q1
1.33
Q2
43.7
Q4
24.1
Q3
30.8
10 6
10 5
10 3
0
0
10 4
10 6
CD34
CD117
10 6
10 5
10 3
0
0
10 4
10 6
CD34
% of mode
80
40
0
0
10 4
10 6
CD33

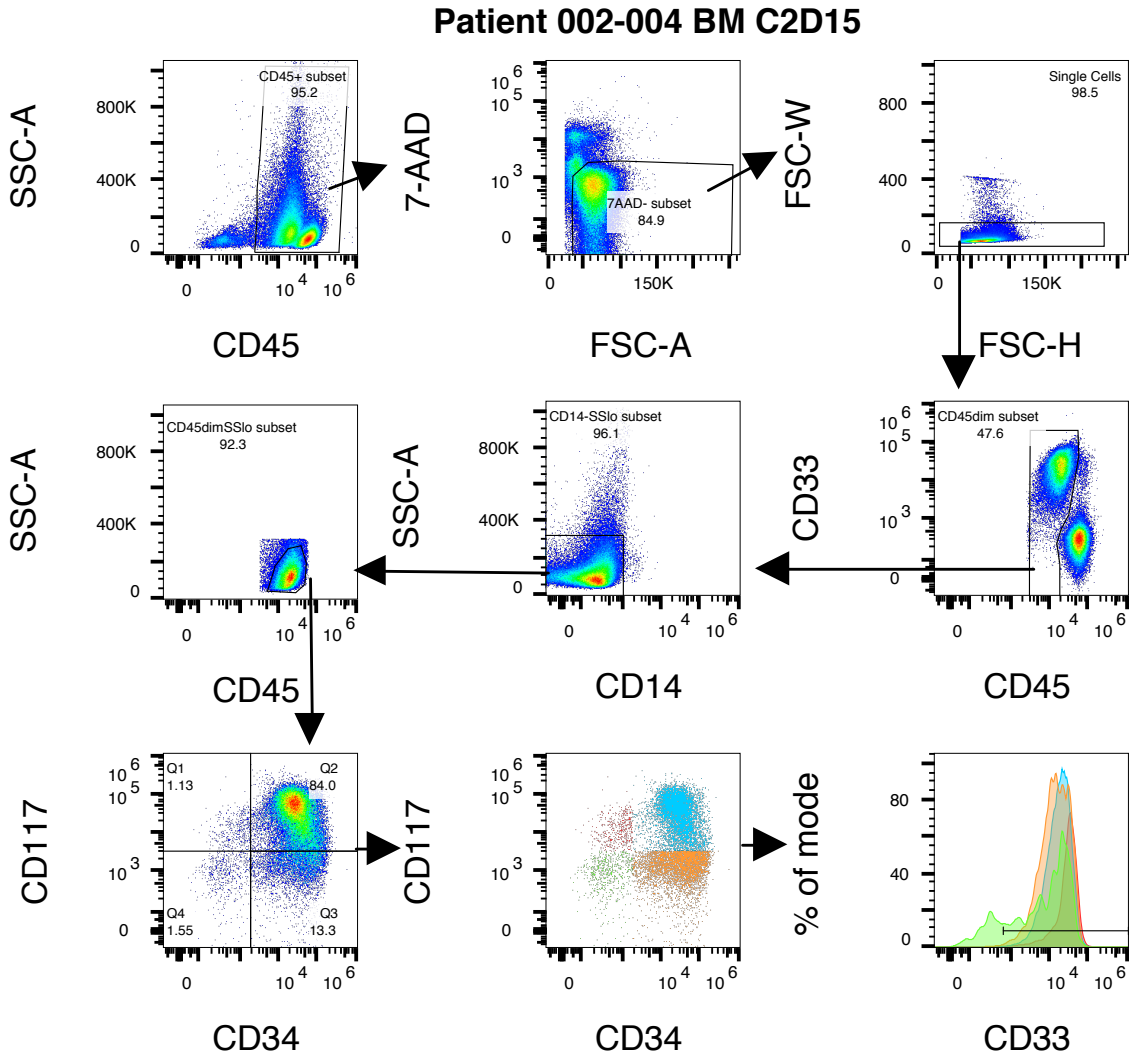

Patient 002-004 BM C1D29
SSC-A
CD45
CD45+ subset
61.6
7-AAD
FSC-A
7AAD- subset
64.6
FSC-W
FSC-H
Single Cells
97.5
SSC-A
CD45
CD45dimSSlo subset
88.4
SSC-A
CD14
CD14-SSlo subset
94.1
CD33
CD45
CD45dim subset
14.8
CD117
CD34
Q1
1.43
Q2
76.4
Q4
12.7
Q3
9.52
CD117
CD34
% of mode
CD33


Patient 002-004 Blood C2D1
SSC-A
CD45
CD45+ subset
95.5
7-AAD
FSC-A
7AAD- subset
92.6
FSC-W
FSC-H
Single Cells
97.7
SSC-A
CD45
CD45dimSSlo subset
84.8
SSC-A
CD14
CD14-SSlo subset
98.6
CD33
CD45
CD45dim subset
3.23
CD117
CD34
Q1
1.53
Q2
58.3
Q4
13.8
Q3
26.4
CD117
CD34
% of mode
CD33


Patient 002-004 Blood C2D2
SSC-A
CD45
CD45+ subset
96.2
7-AAD
FSC-A
7AAD- subset
93.1
FSC-W
FSC-H
Single Cells
98.2
SSC-A
CD45
CD45dimSSlo subset
93.7
SSC-A
CD14
CD14-SSlo subset
98.7
CD33
CD45
CD45dim subset
3.62
CD117
CD34
Q1
1.19
Q2
52.9
Q4
17.4
Q3
28.5
CD117
CD34
% of mode
CD33


Patient 002-004 Blood C2D3
SSC-A
CD45+ subset
95.9
CD45
7-AAD
7AAD- subset
93.6
FSC-A
FSC-W
Single Cells
98.1
FSC-H
SSC-A
CD45dimSSlo subset
93.2
CD45
SSC-A
CD14-SSlo subset
98.7
CD14
CD33
CD45dim subset
4.78
CD45
CD117
Q1
1.23
Q2
51.6
Q4
16.3
Q3
30.8
CD34
CD117
CD34
% of mode
CD33


Patient 002-004 Blood C2D15
SSC-A
800K
400K
0
CD45+ subset
83.7
CD45
7-AAD
7AAD- subset
92.0
FSC-A
FSC-W
Single Cells
97.7
FSC-H
CD45dimSSlo subset
91.5
CD14-SSlo subset
99.1
CD14
CD33
CD45dim subset
9.77
CD45
CD117
Q1
0.25
Q2
64.3
Q4
4.62
Q3
30.8
CD34
% of mode
80
40


Patient 002-004 BM C2D15
SSC-A
800K
400K
0
CD45+ subset
95.2
CD45
7-AAD
7AAD- subset
84.9
FSC-A
FSC-W
Single Cells
98.5
FSC-H
SSC-A
CD45dimSSlo subset
92.3
CD45
SSC-A
CD14-SSlo subset
96.1
CD14
CD33
CD45dim subset
47.6
CD45
CD117
Q1
1.13
Q2
84.0
Q4
1.55
Q3
13.3
CD34
CD117
CD34
% of mode
80
40
0
CD33