FIG. 1

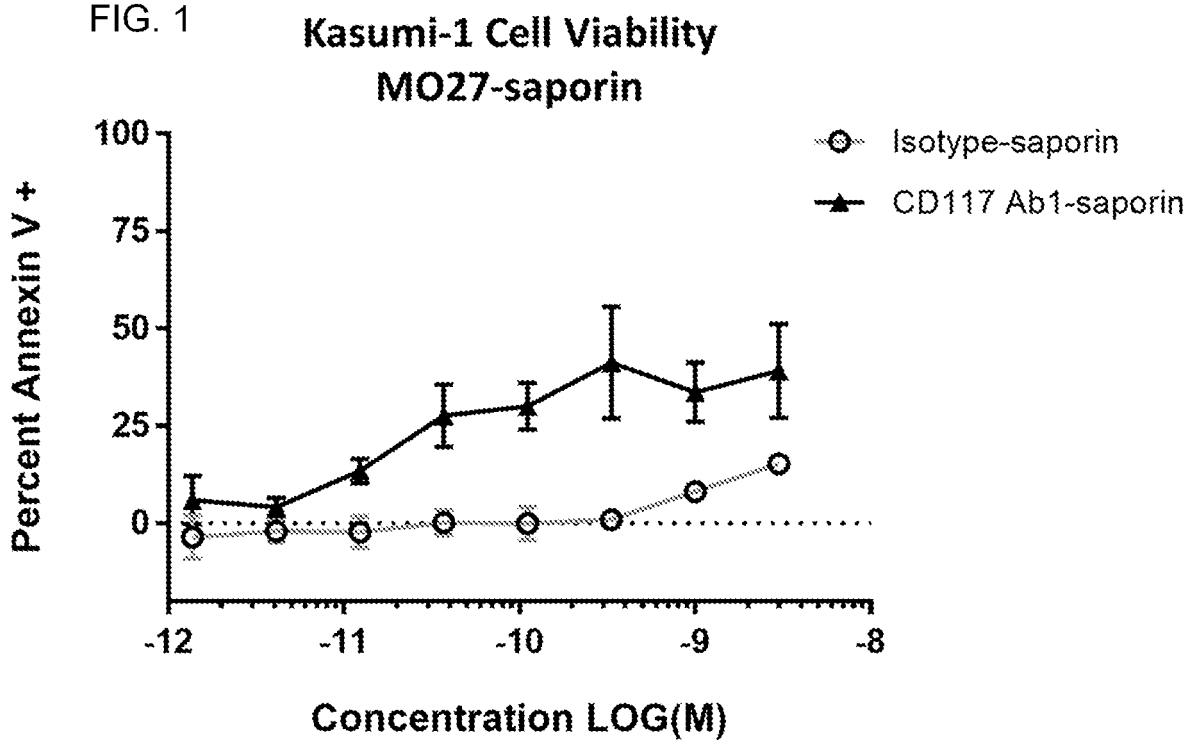

Kasumi-1 Cell Viability
MO27-saporin
Percent Annexin V +
100
75
50
25
0
-12
-11
-10
-9
-8
Concentration LOG(M)
Isotype-saporin
CD117 Ab1-saporin

FIG. 2

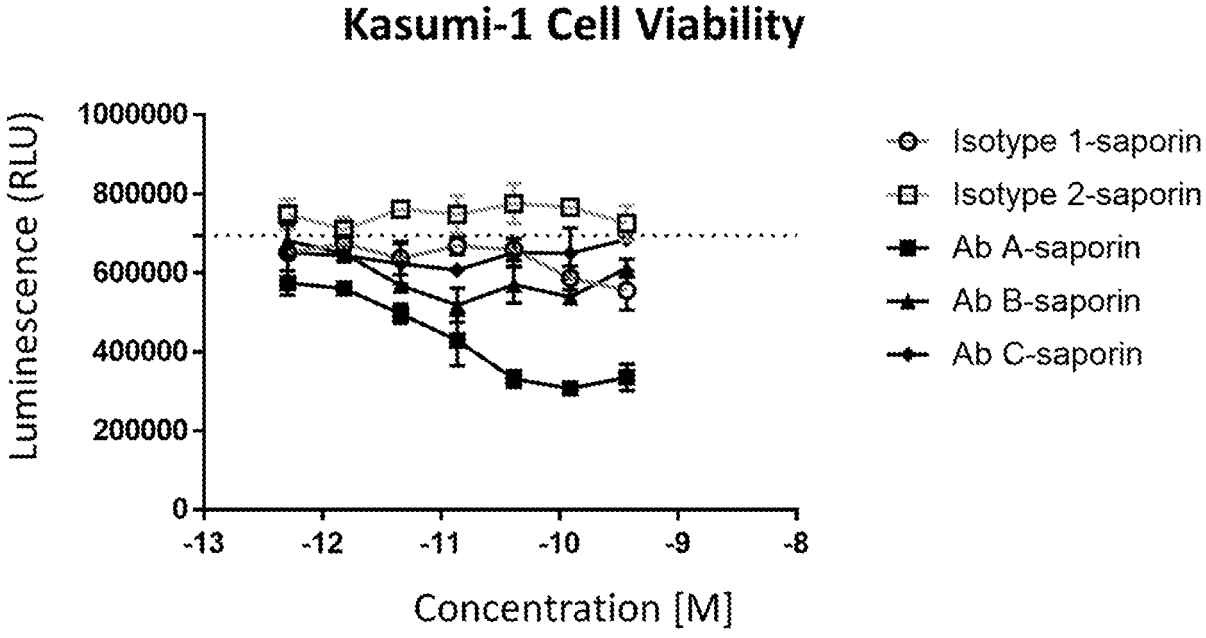

Kasumi-1 Cell Viability
Luminescence (RLU)
1000000
800000
600000
400000
200000
0
-13
-12
-11
-10
-9
-8
Concentration [M]
Isotype 1-saporin
Isotype 2-saporin
Ab A-saporin
Ab B-saporin
Ab C-saporin

FIG. 3

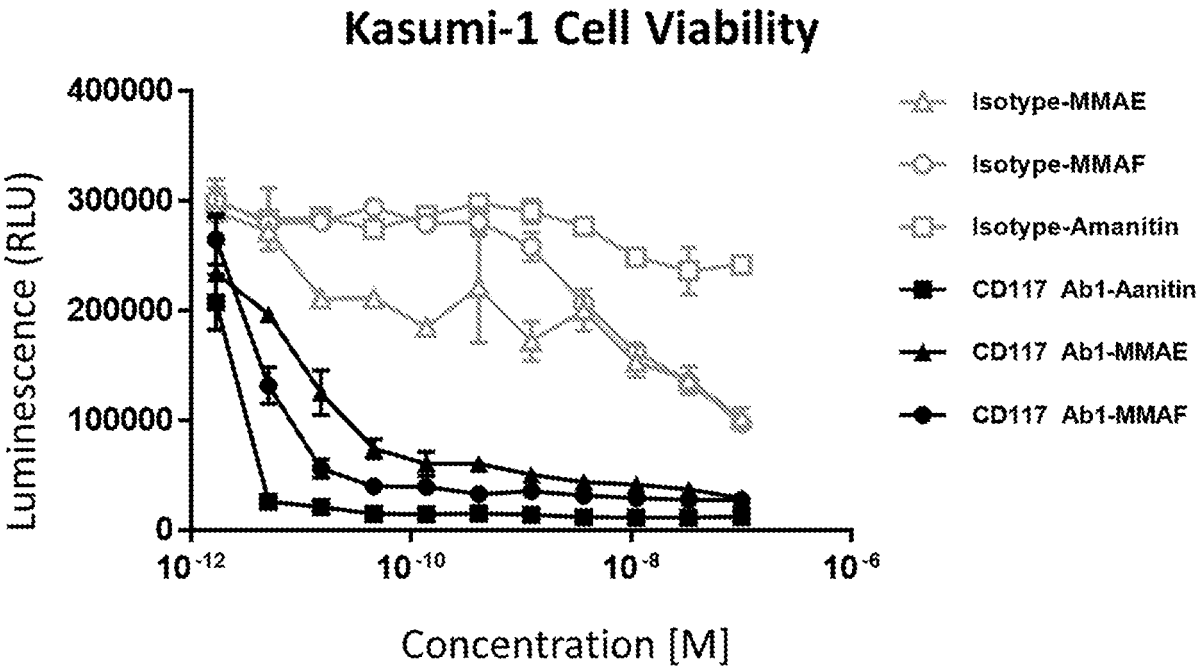

Kasumi-1 Cell Viability
Luminescence (RLU)
400000
300000
200000
100000
0
10-12
10-10
10-8
10-6
Concentration [M]
Isotype-MMAE
Isotype-MMAF
Isotype-Amanitin
CD117 Ab1-Aanitin
CD117 Ab1-MMAE
CD117 Ab1-MMAF

FIG. 4A

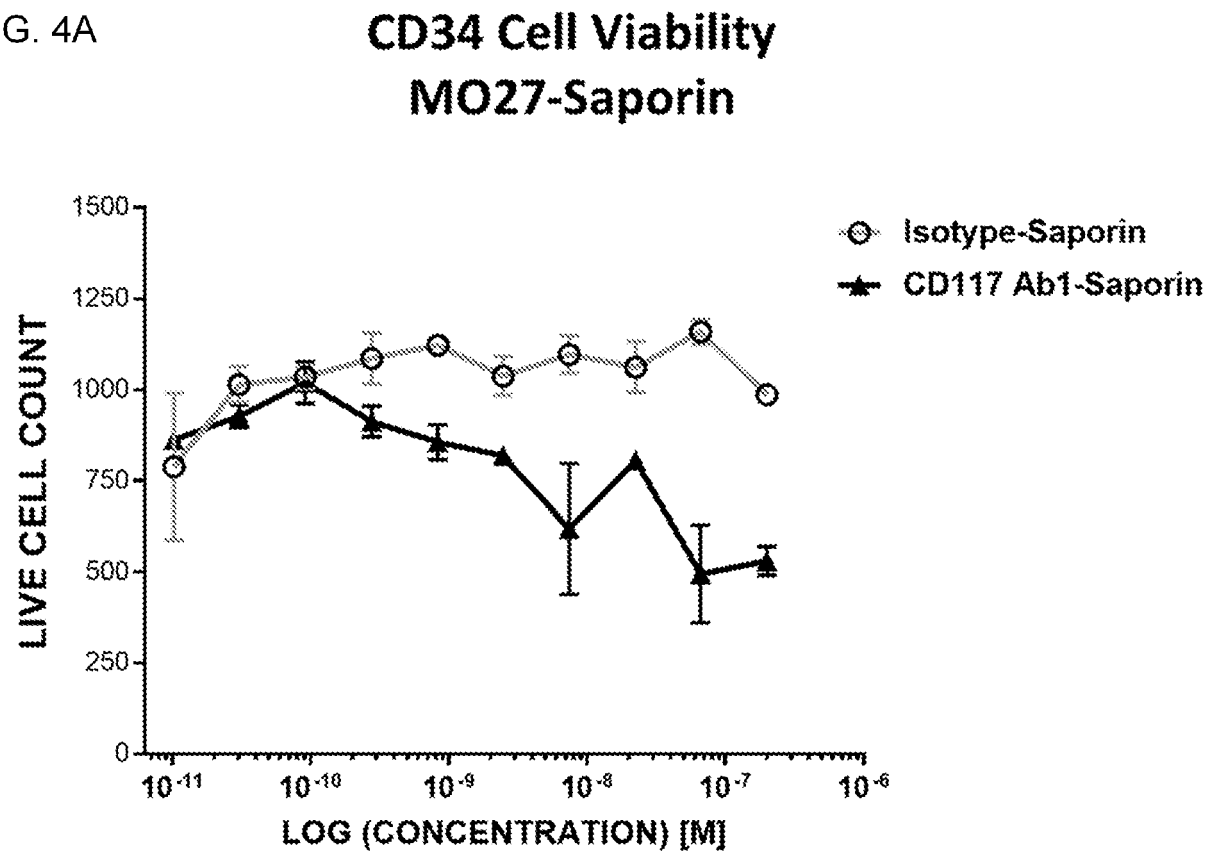

CD34 Cell Viability
MO27-Saporin
Isotype-Saporin
CD117 Ab1-Saporin
LIVE CELL COUNT
1500
1250
1000
750
500
250
0
10-11
10-10
10-9
10-8
10-7
10-6
LOG (CONCENTRATION) [M]

FIG. 4B

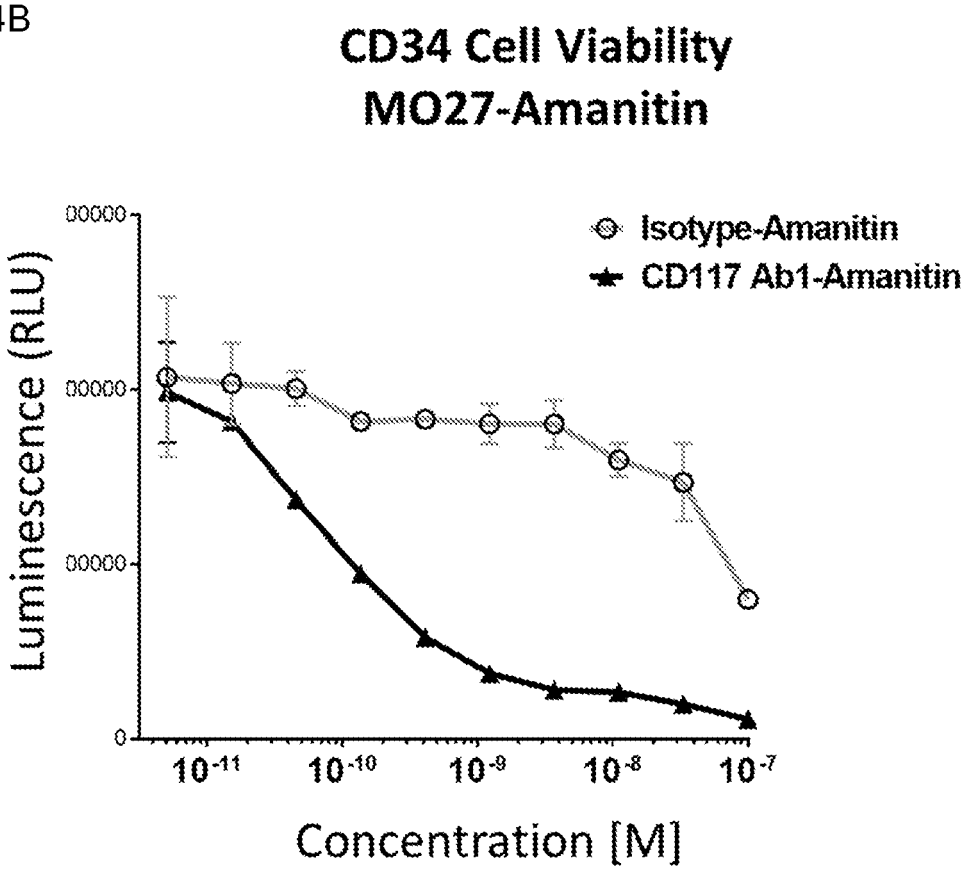

CD34 Cell Viability
MO27-Amanitin
Isotype-Amanitin
CD117 Ab1-Amanitin
Luminescence (RLU)
00000
00000
00000
0
10-11
10-10
10-9
10-8
10-7
Concentration [M]

FIG. 5A

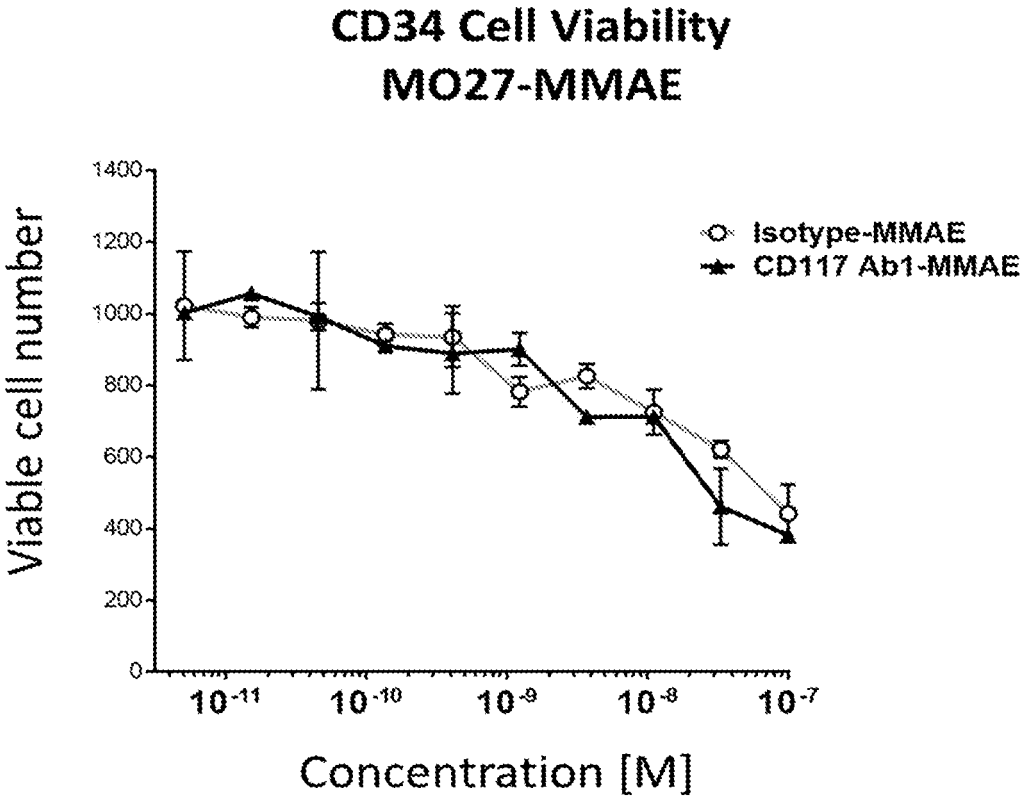

CD34 Cell Viability
MO27-MMAE
Viable cell number
1400
1200
1000
800
600
400
200
0
Isotype-MMAE
CD117 Ab1-MMAE
10-11
10-10
10-9
10-8
10-7
Concentration [M]

FIG. 5B

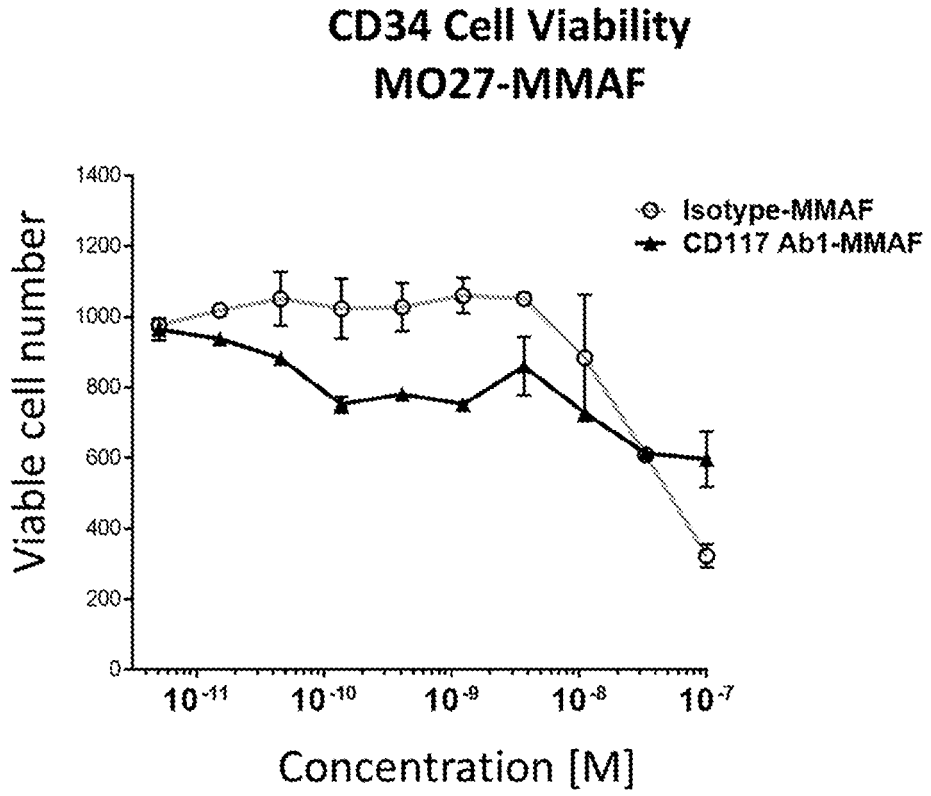
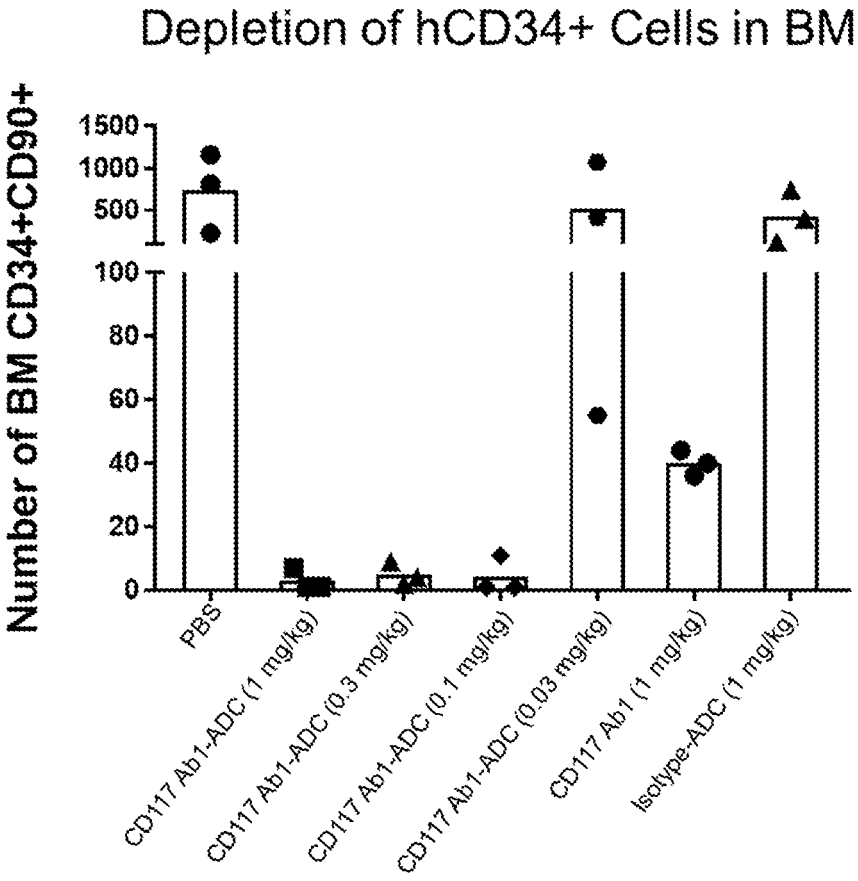

CD34 Cell Viability
MO27-MMAF
Viable cell number
1400
1200
1000
800
600
400
200
0
Isotype-MMAF
CD117 Ab1-MMAF
10-11
10-10
10-9
10-8
10-7
Concentration [M]

FIG. 6


Depletion of hCD34+ Cells in BM
Number of BM CD34+CD90+
1500
1000
500
100
80
60
40
20
0
PBS
CD117 Ab1-ADC (1 mg/kg)
CD117 Ab1-ADC (0.3 mg/kg)
CD117 Ab1-ADC (0.1 mg/kg)
CD117 Ab1-ADC (0.03 mg/kg)
CD117 Ab1 (1 mg/kg)
Isotype-ADC (1 mg/kg)