FIG. 1

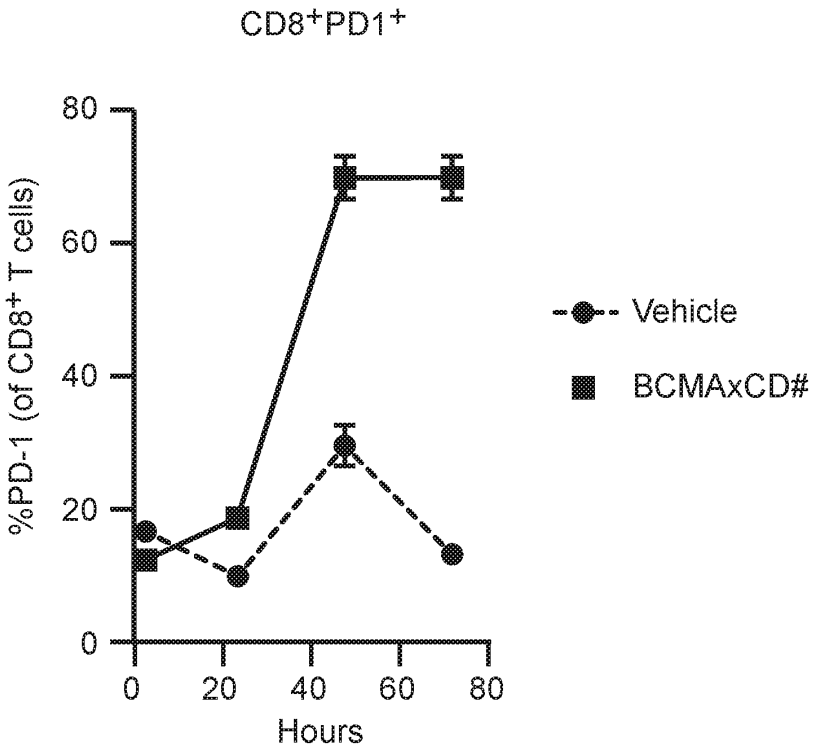

CD8+PD1+
%PD-1 (of CD8+ T cells)
80
60
40
20
0
0
20
40
60
80
Hours
Vehicle
BCMAxCD#

FIG. 2A

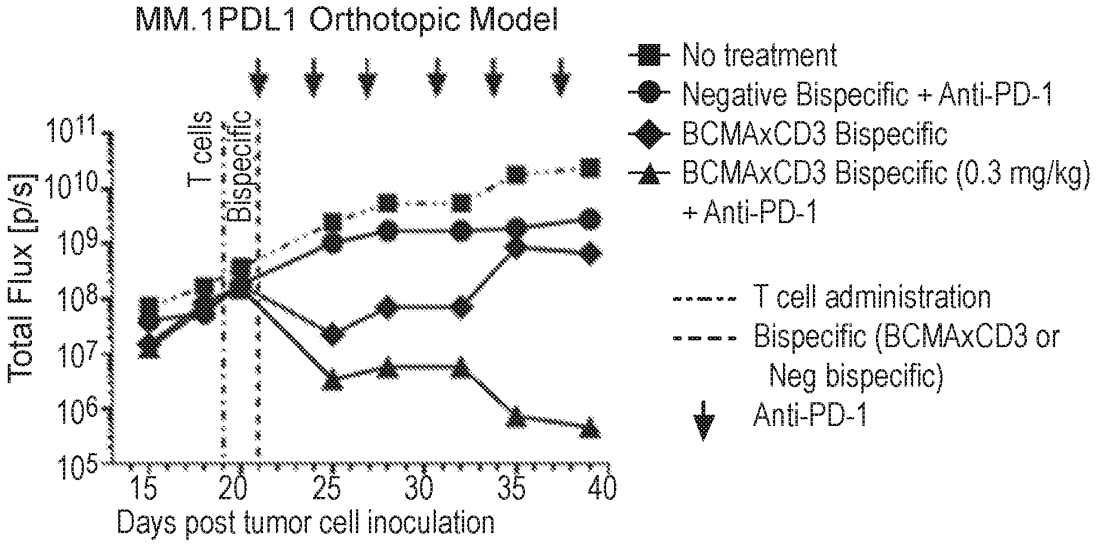

MM.1PDL1 Orthotopic Model
Total Flux [p/s]
10^{11}
10^{10}
10^{9}
10^{8}
10^{7}
10^{6}
10^{5}
T cells
Bispecific
15
20
25
30
35
40
Days post tumor cell inoculation
No treatment
Negative Bispecific + Anti-PD-1
BCMAxCD3 Bispecific
BCMAxCD3 Bispecific (0.3 mg/kg) + Anti-PD-1
T cell administration
Bispecific (BCMAxCD3 or Neg bispecific)
Anti-PD-1

FIG. 2B

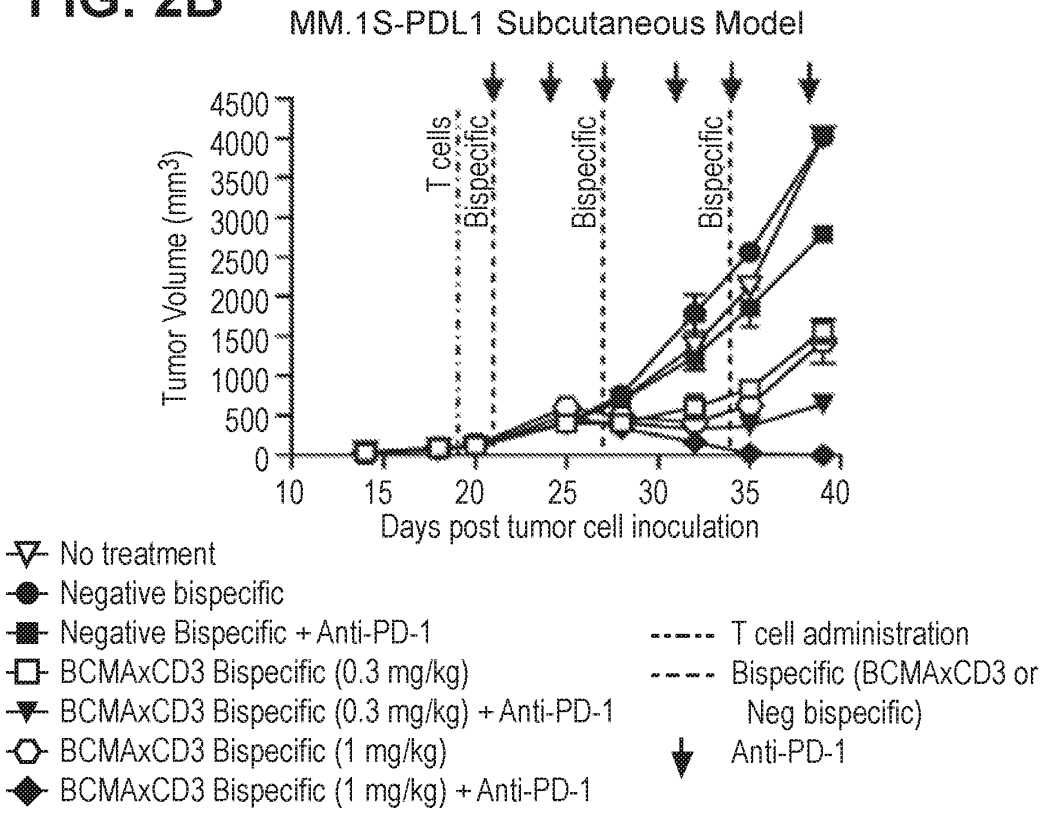

MM.1S-PDL1 Subcutaneous Model
Tumor Volume (mm^3)
4500
4000
3500
3000
2500
2000
1500
1000
500
0
T cells
Bispecific
Bispecific
Bispecific
10
15
20
25
30
35
40
Days post tumor cell inoculation
No treatment
Negative bispecific
Negative Bispecific + Anti-PD-1
BCMAxCD3 Bispecific (0.3 mg/kg)
BCMAxCD3 Bispecific (0.3 mg/kg) + Anti-PD-1
BCMAxCD3 Bispecific (1 mg/kg)
BCMAxCD3 Bispecific (1 mg/kg) + Anti-PD-1
T cell administration
Bispecific (BCMAxCD3 or Neg bispecific)
Anti-PD-1

FIG. 3A

MM.1S

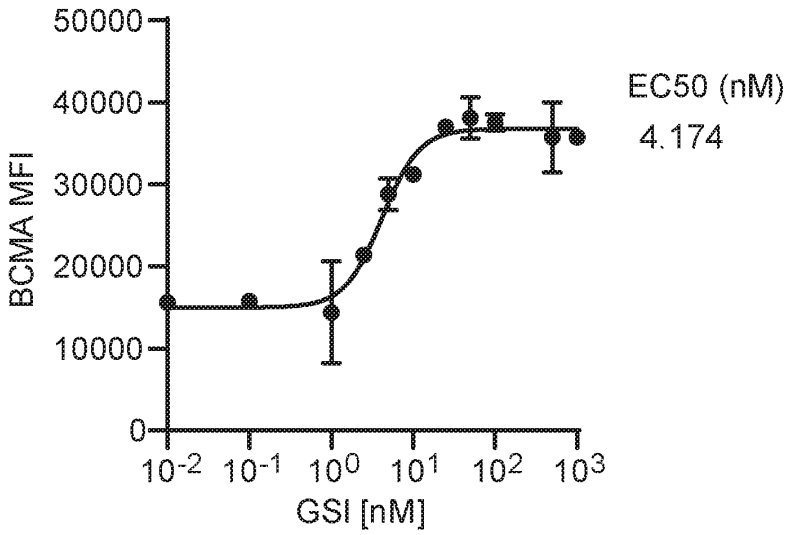


FIG. 3B

OPM2

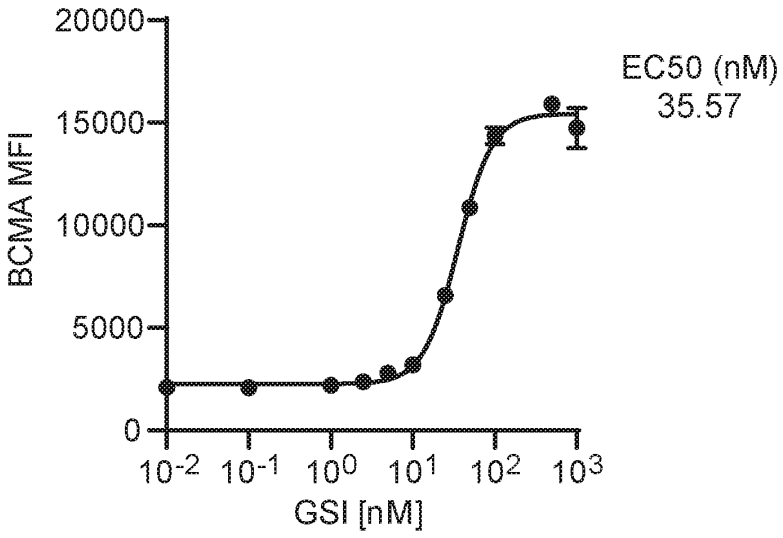


FIG. 3C

H929

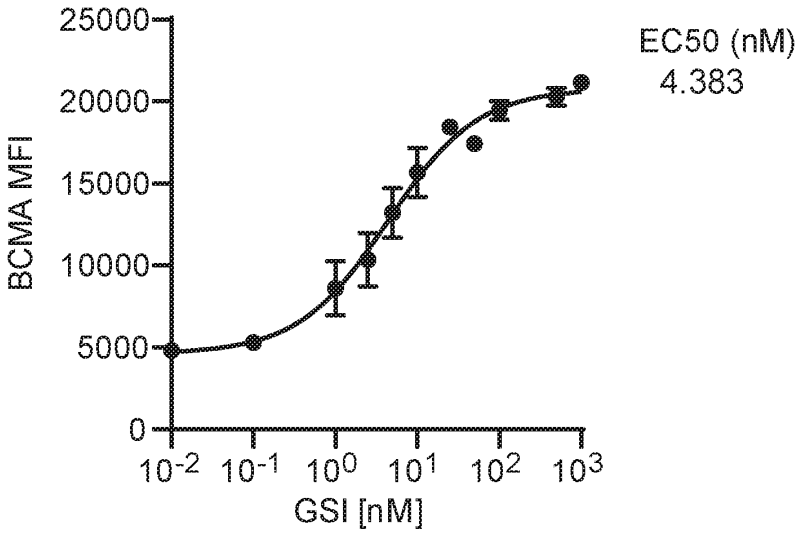


FIG. 3D

Molp8

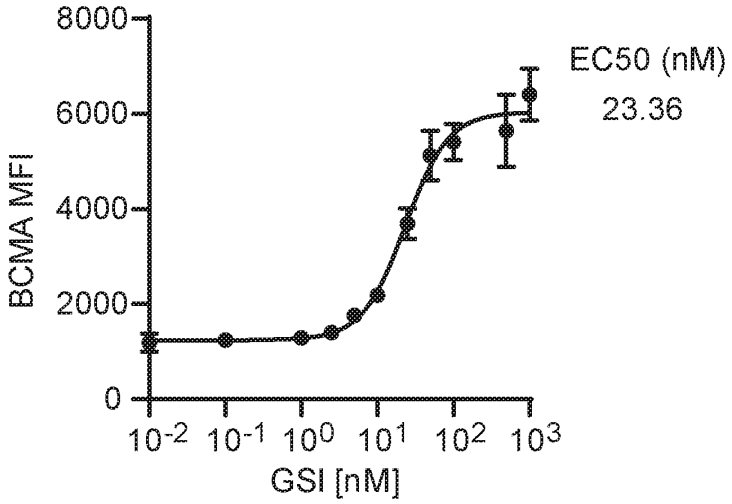


FIG. 3E

RPMI8226

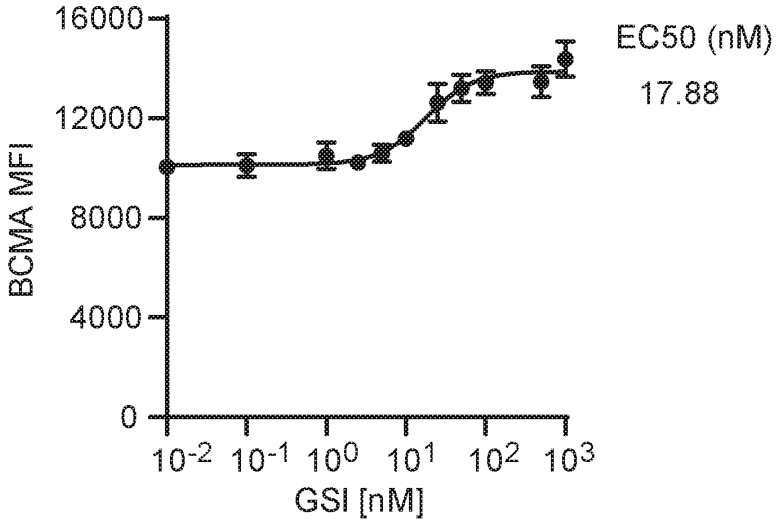


FIG. 4A

MM.1S

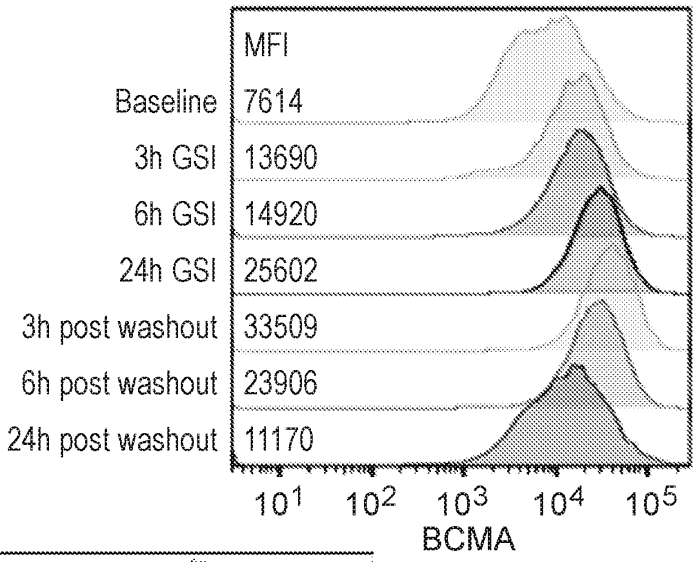


FIG. 4B

OPM2

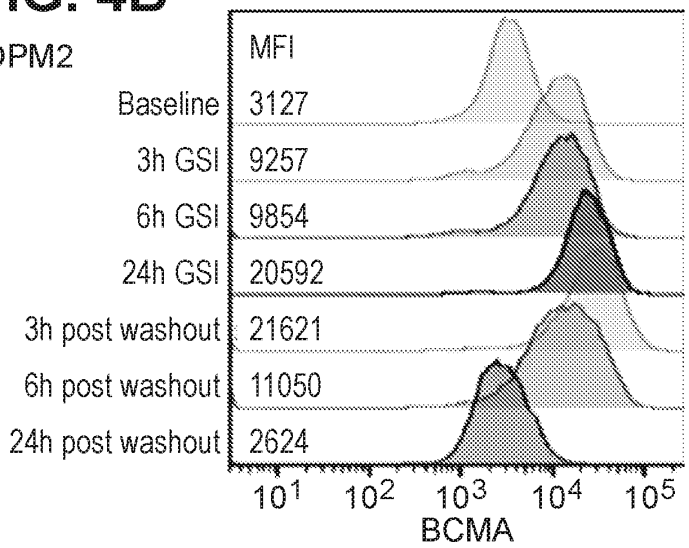


FIG. 4C

H929

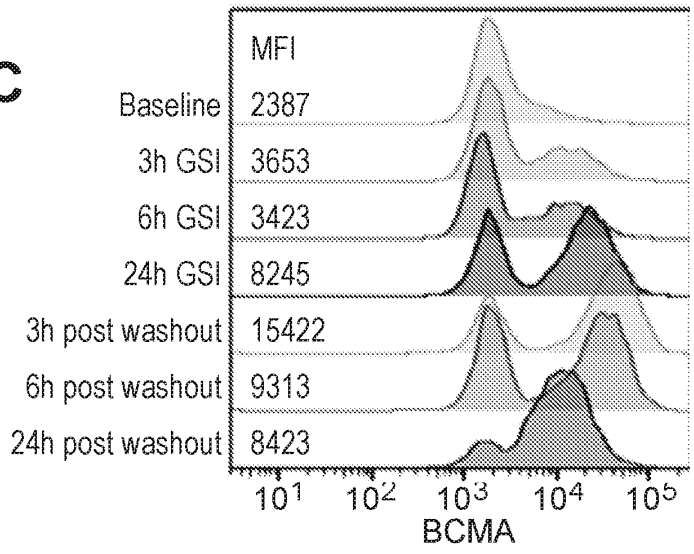


FIG. 4D

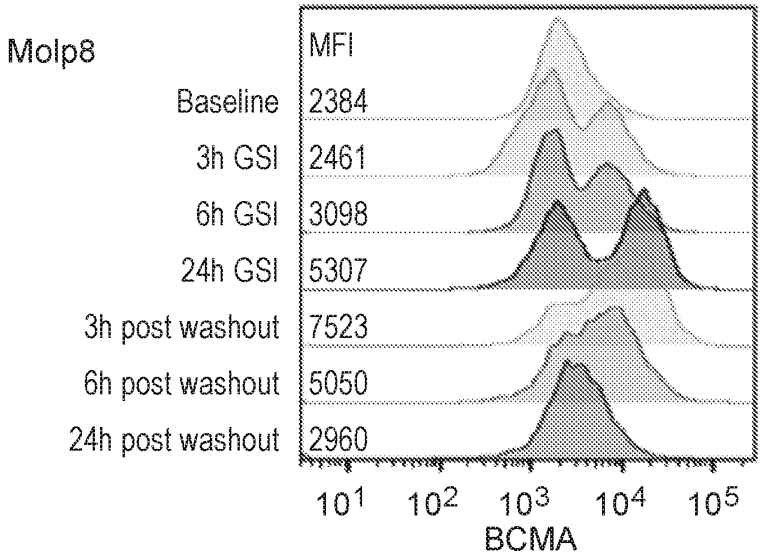

Molp8
MFI
Baseline
2384
3h GSI
2461
6h GSI
3098
24h GSI
5307
3h post washout
7523
6h post washout
5050
24h post washout
2960
10^1 10^2 10^3 10^4 10^5
BCMA

FIG. 4E

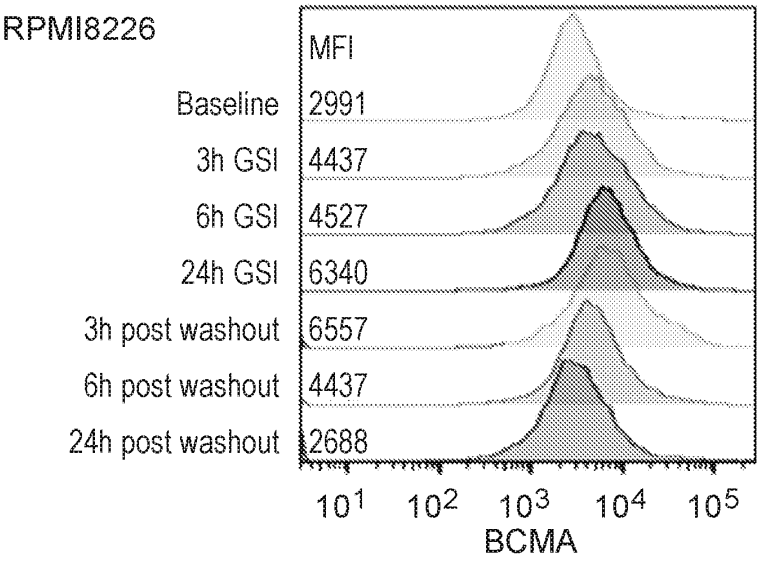

RPMI8226
MFI
Baseline
2991
3h GSI
4437
6h GSI
4527
24h GSI
6340
3h post washout
6557
6h post washout
4437
24h post washout
2688
10^1 10^2 10^3 10^4 10^5
BCMA

FIG. 5A

MM.1S

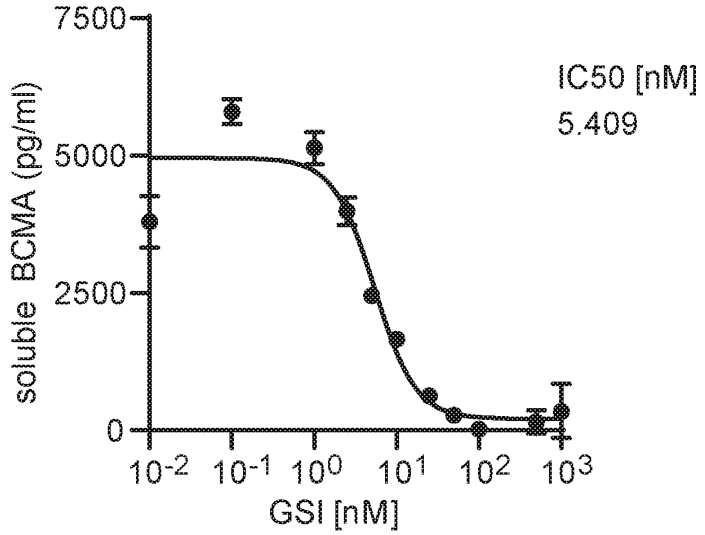


FIG. 5B

OPM2

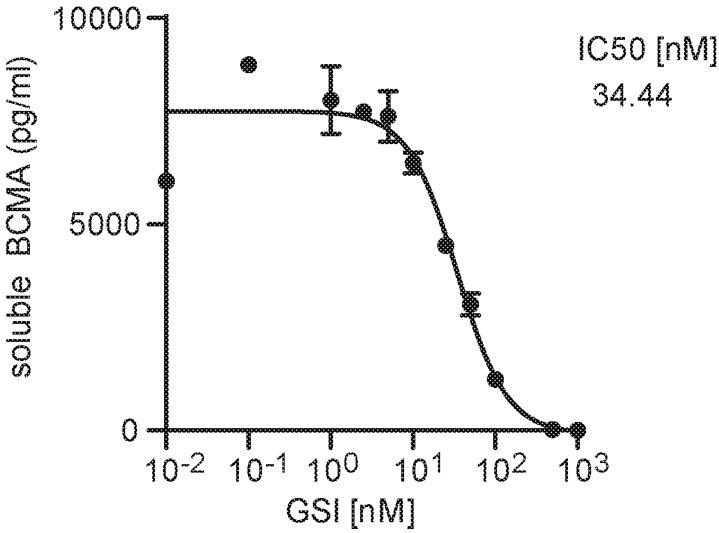


FIG. 5C

H929

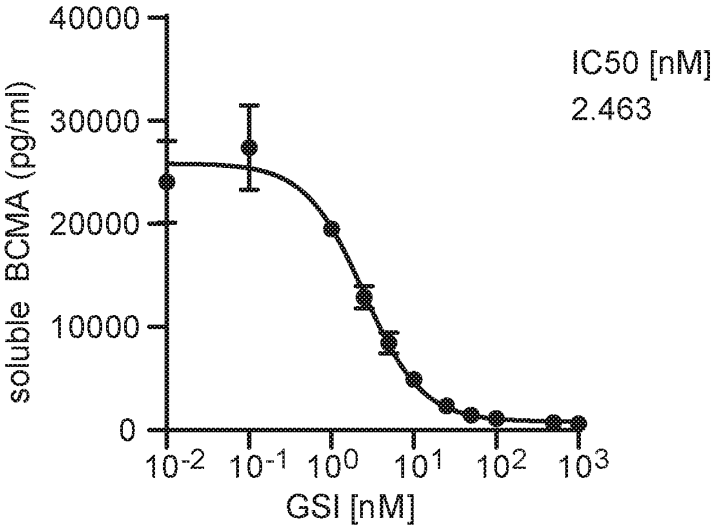


FIG. 5D

Molp8

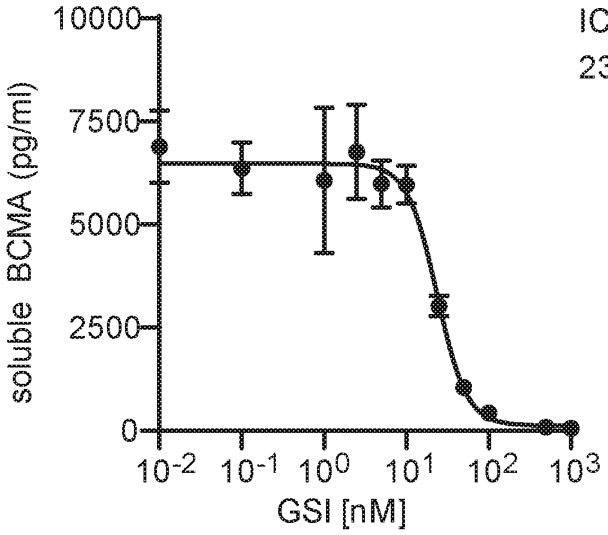


FIG. 5E

RPMI8226

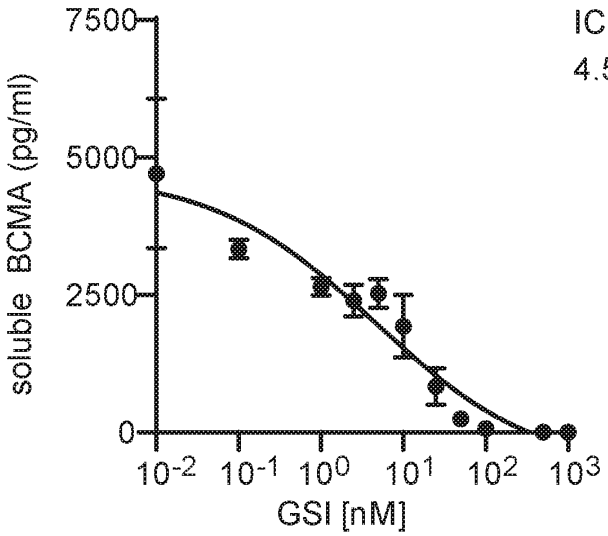


FIG. 6A

MM.1S

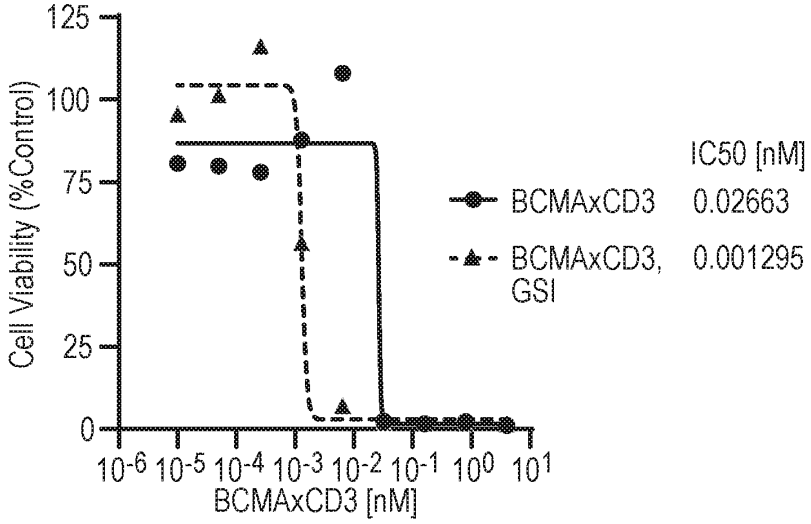


FIG. 6B

OPM2

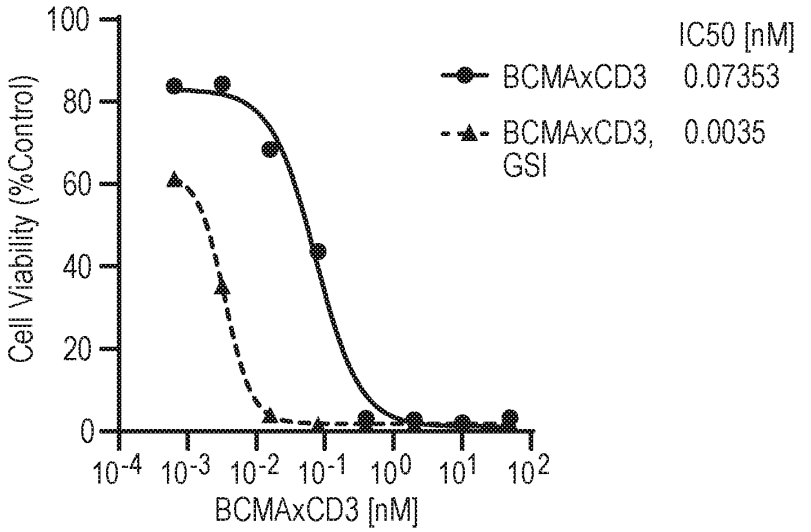


FIG. 6C

H929

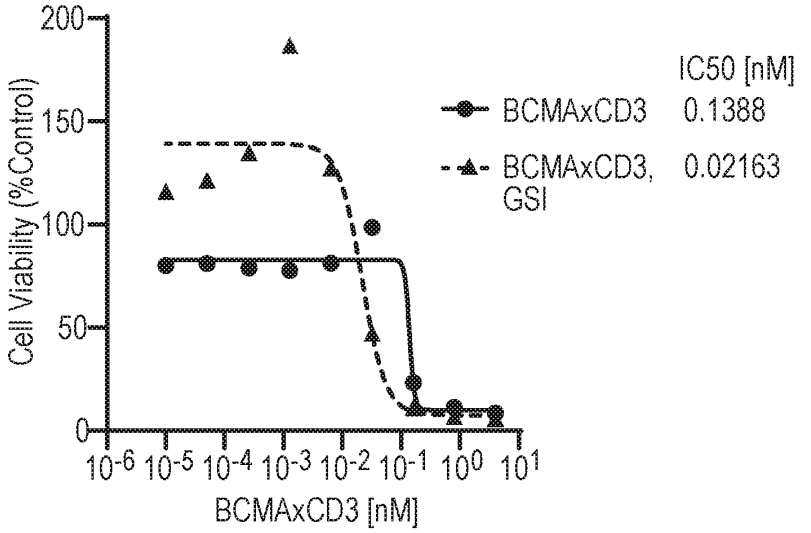


FIG. 6D

Molp8

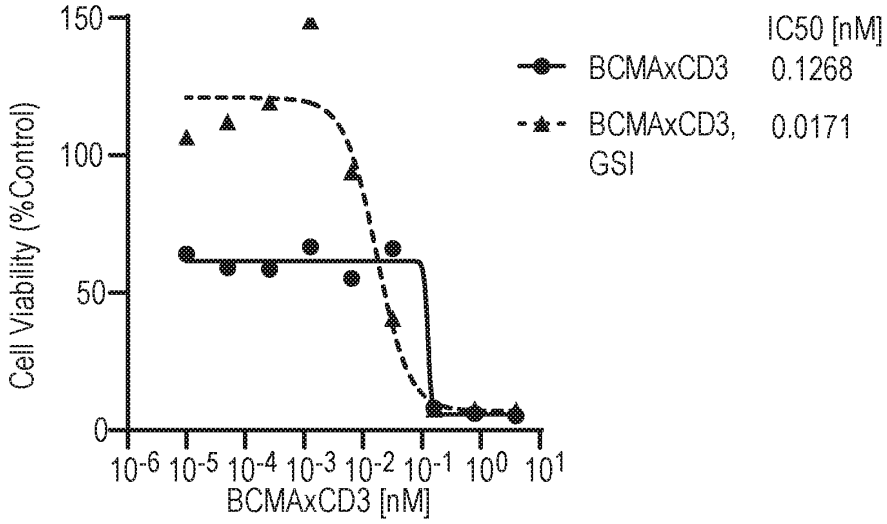


FIG. 6E

RPMI8226

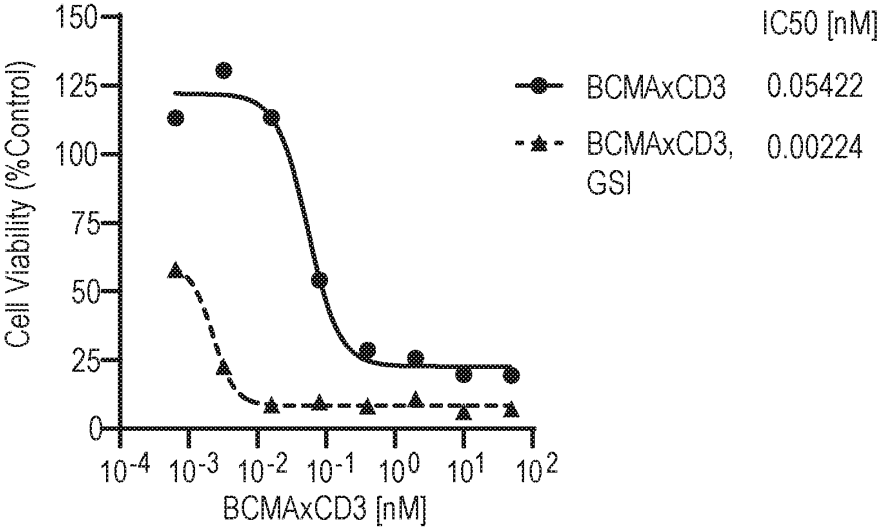


FIG. 7A

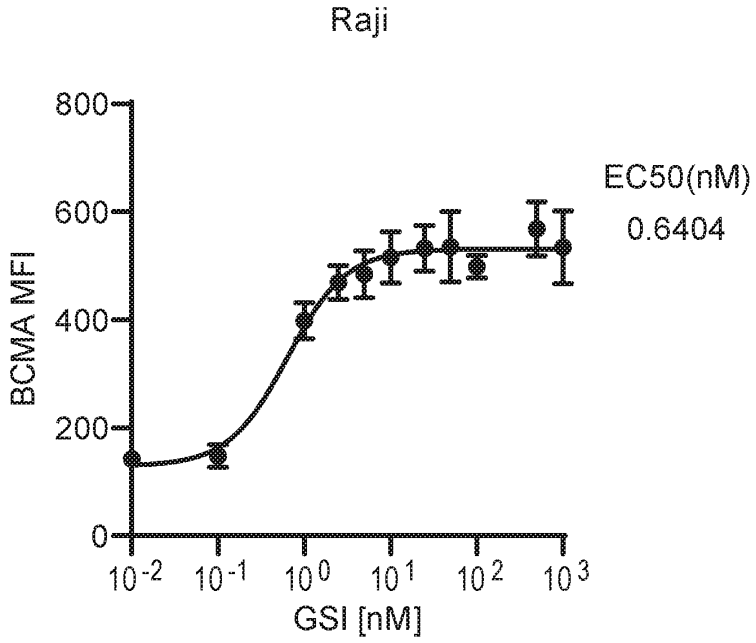

Raji
800
600
400
200
0
BCMA MFI
EC50(nM)
0.6404
10-2
10-1
100
101
102
103
GSI [nM]

FIG. 7B

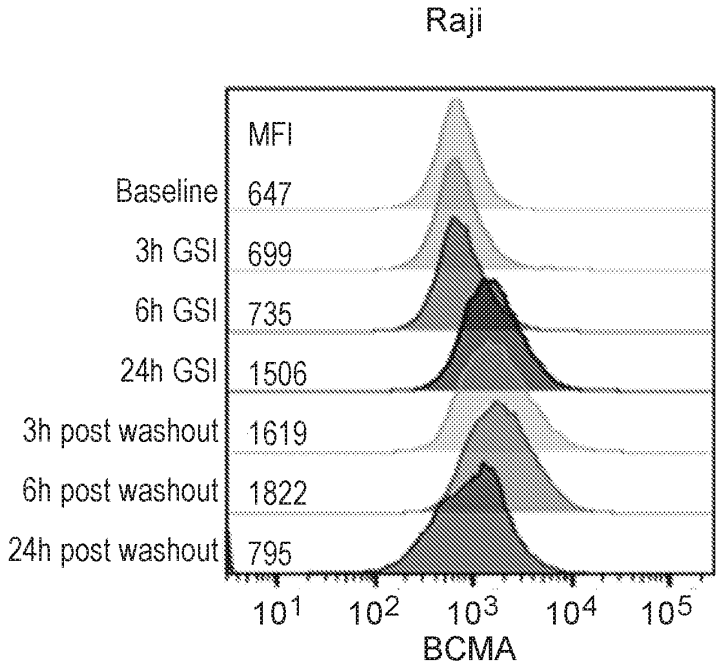
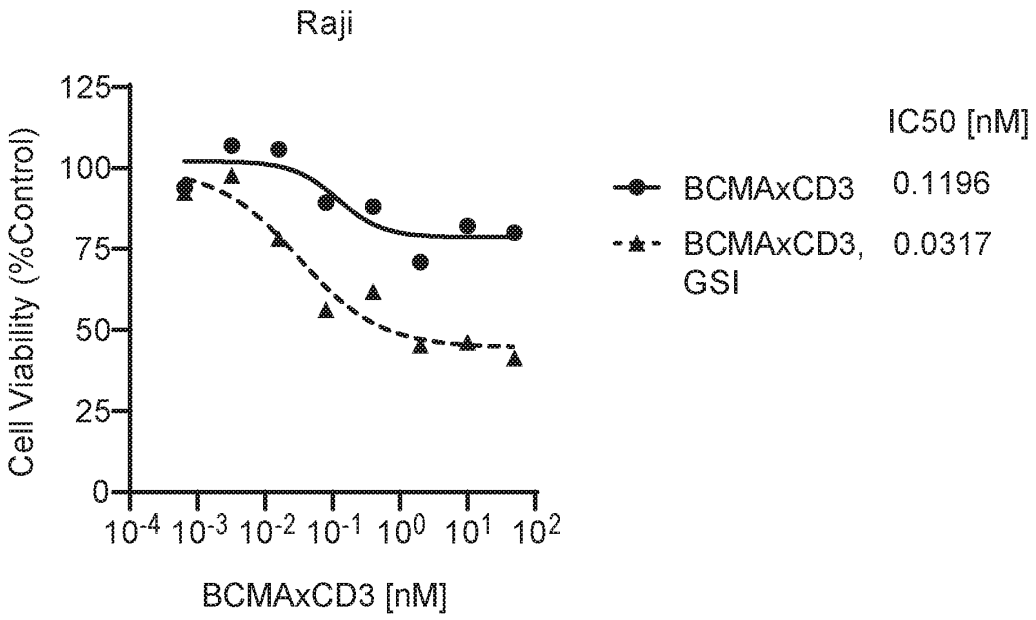

Raji
MFI
Baseline 647
3h GSI 699
6h GSI 735
24h GSI 1506
3h post washout 1619
6h post washout 1822
24h post washout 795
101
102
103
104
105
BCMA

FIG. 8


Raji
Cell Viability (%Control)
125
100
75
50
25
0
10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2}
BCMAxCD3 [nM]
IC50 [nM]
BCMAxCD3 0.1196
BCMAxCD3, GSI 0.0317