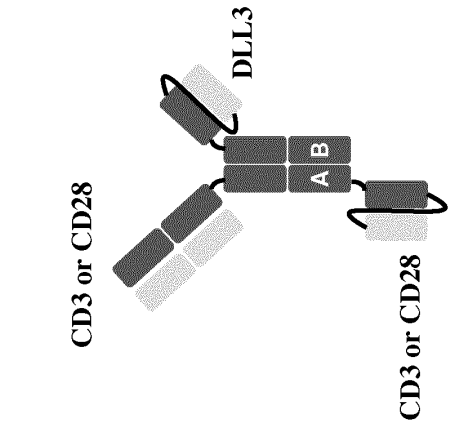


FIG. 1C

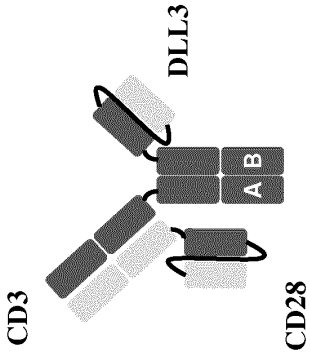


FIG. 1B

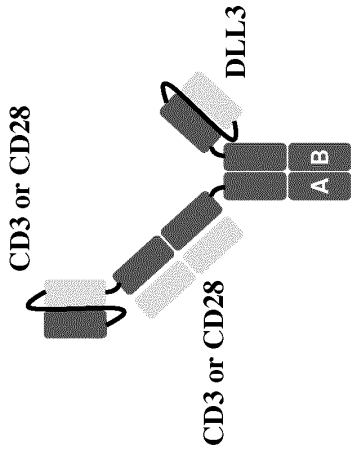


FIG. 1A

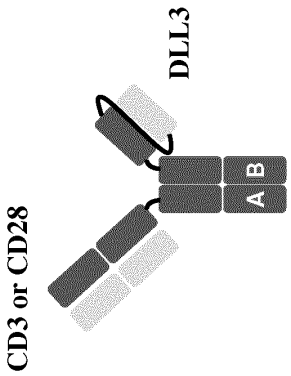


FIG. 1F

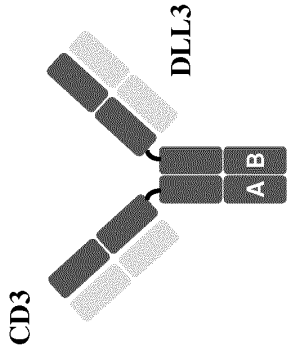


FIG. 1E

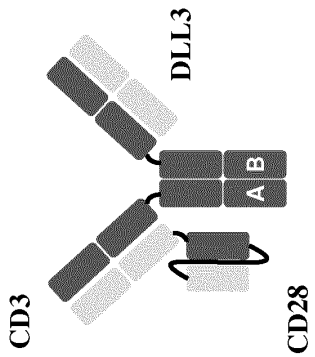


FIG. 1D

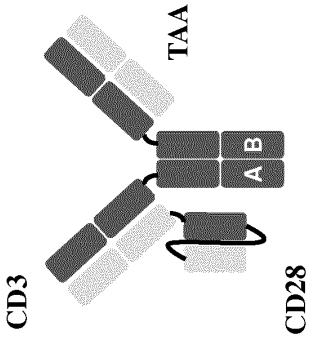


FIG. 1H

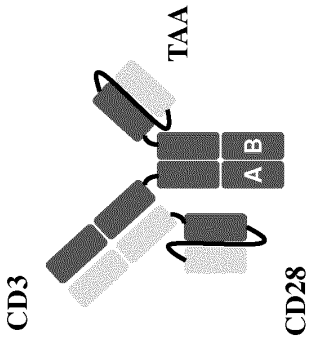


FIG. 1G

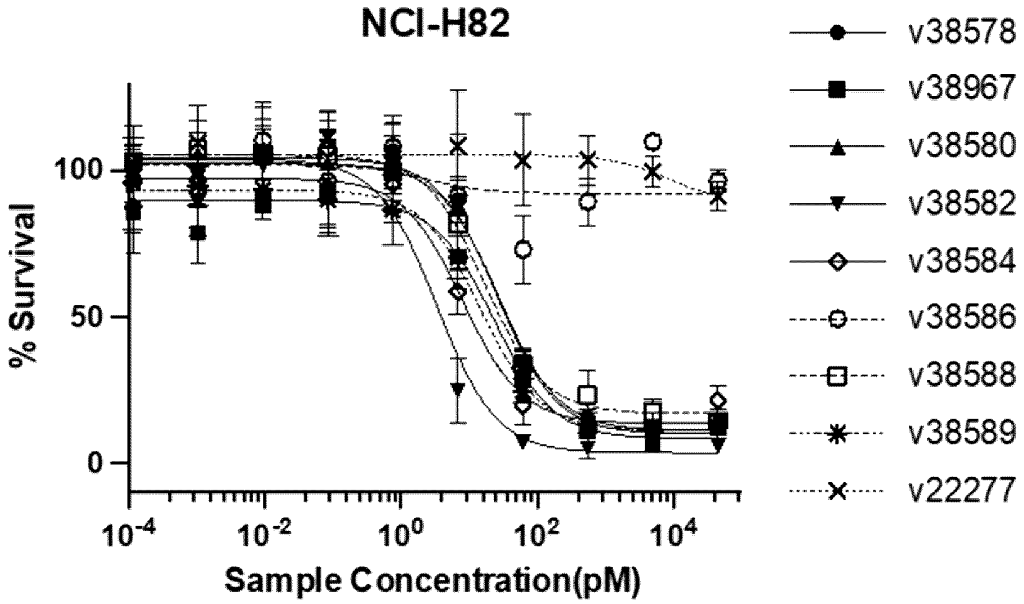

NCI-H82
% Survival
100
50
0
10^{-4}
10^{-2}
10^{0}
10^{2}
10^{4}
Sample Concentration(pM)
v38578
v38967
v38580
v38582
v38584
v38586
v38588
v38589
v22277

FIG. 2A

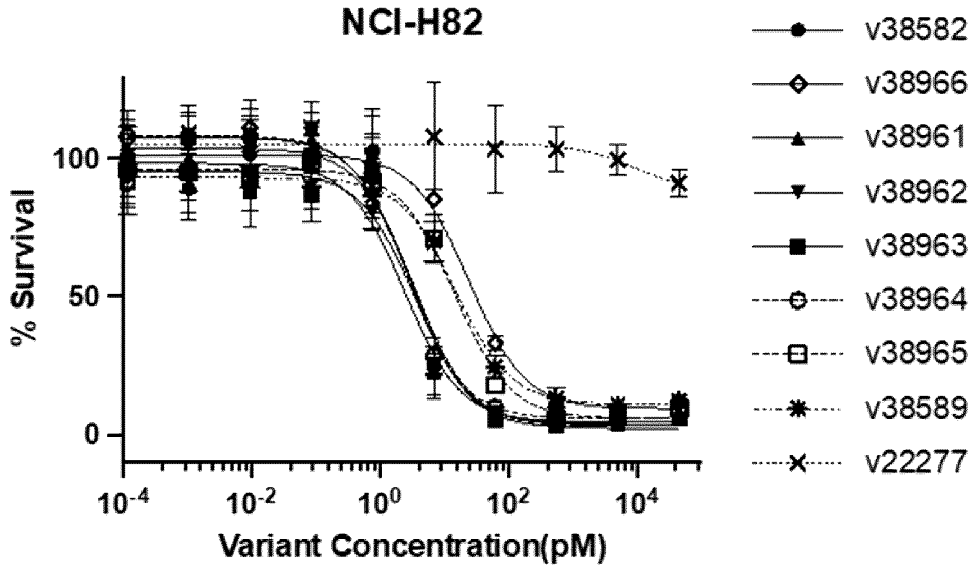

NCI-H82
% Survival
100
50
0
10^{-4}
10^{-2}
10^{0}
10^{2}
10^{4}
Variant Concentration(pM)
v38582
v38966
v38961
v38962
v38963
v38964
v38965
v38589
v22277

FIG. 2B

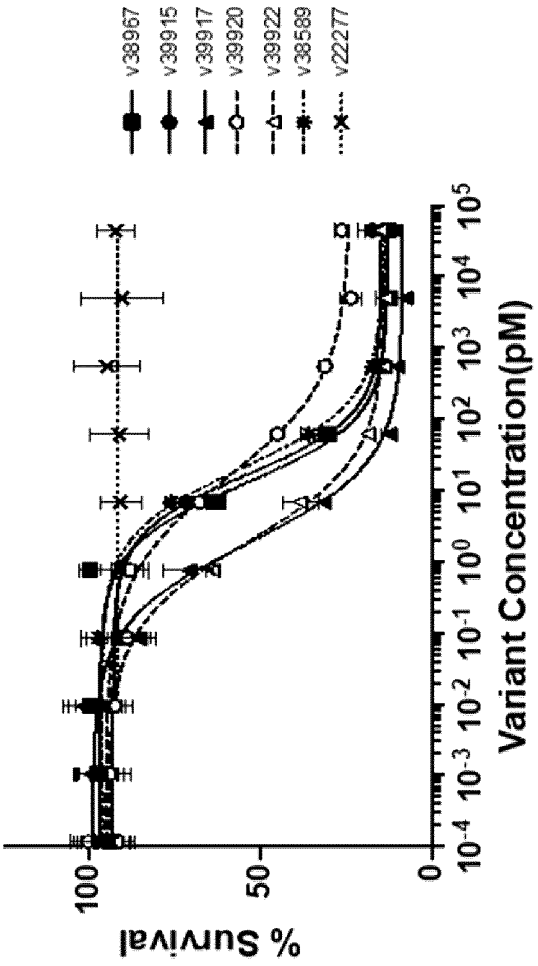

v38967
v39915
v39917
v39920
v39922
v38589
v22277
% Survival
100
50
0
10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5}
Variant Concentration(pM)

FIG. 2C

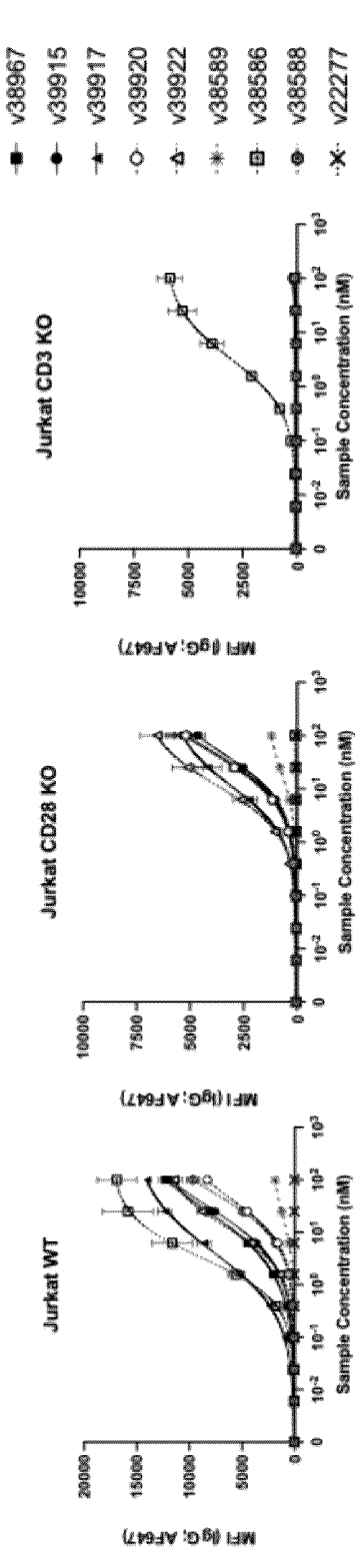

v38967
v39915
v39917
v39920
v39922
v38589
v38586
v38588
v22277
Jurkat CD3 KO
Jurkat CD28 KO
Jurkat WT
MFI (IgG; AF647)
Sample Concentration (nM)

FIG. 3A

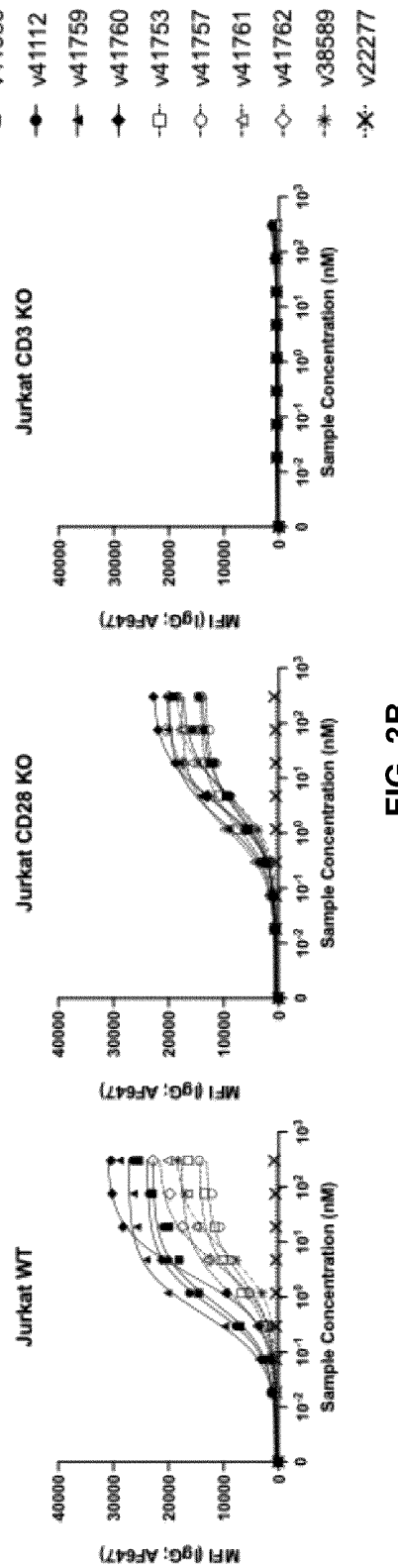

v41080
v41112
v41759
v41760
v41753
v41757
v41761
v41762
v38589
v22277
Jurkat CD3 KO
Jurkat CD28 KO
Jurkat WT
MFI (IgG; AF647)
Sample Concentration (nM)

FIG. 3B

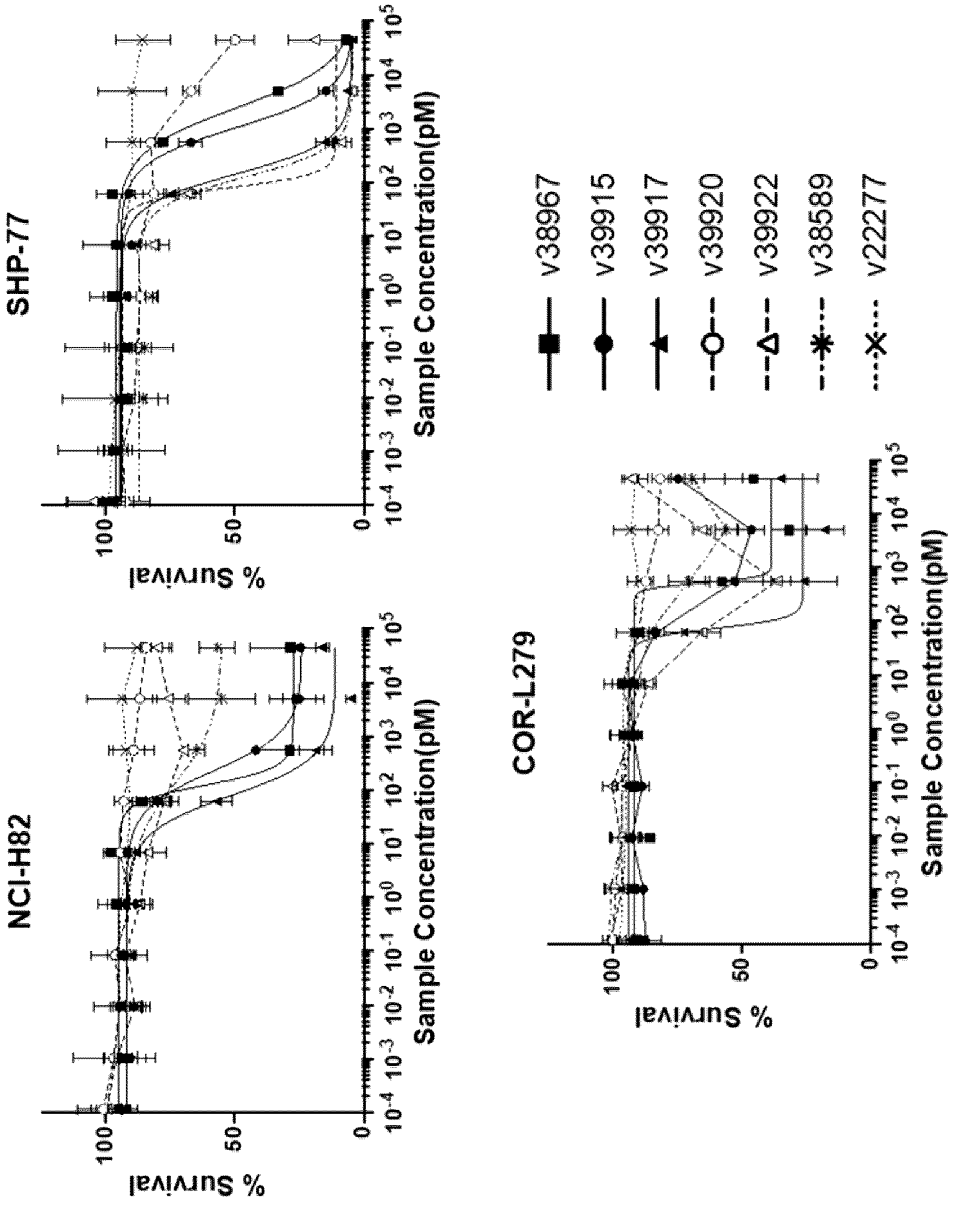

SHP-77
NCI-H82
COR-L279
% Survival
Sample Concentration(pM)
v38967
v39915
v39917
v39920
v39922
v38589
v22277

FIG. 4A

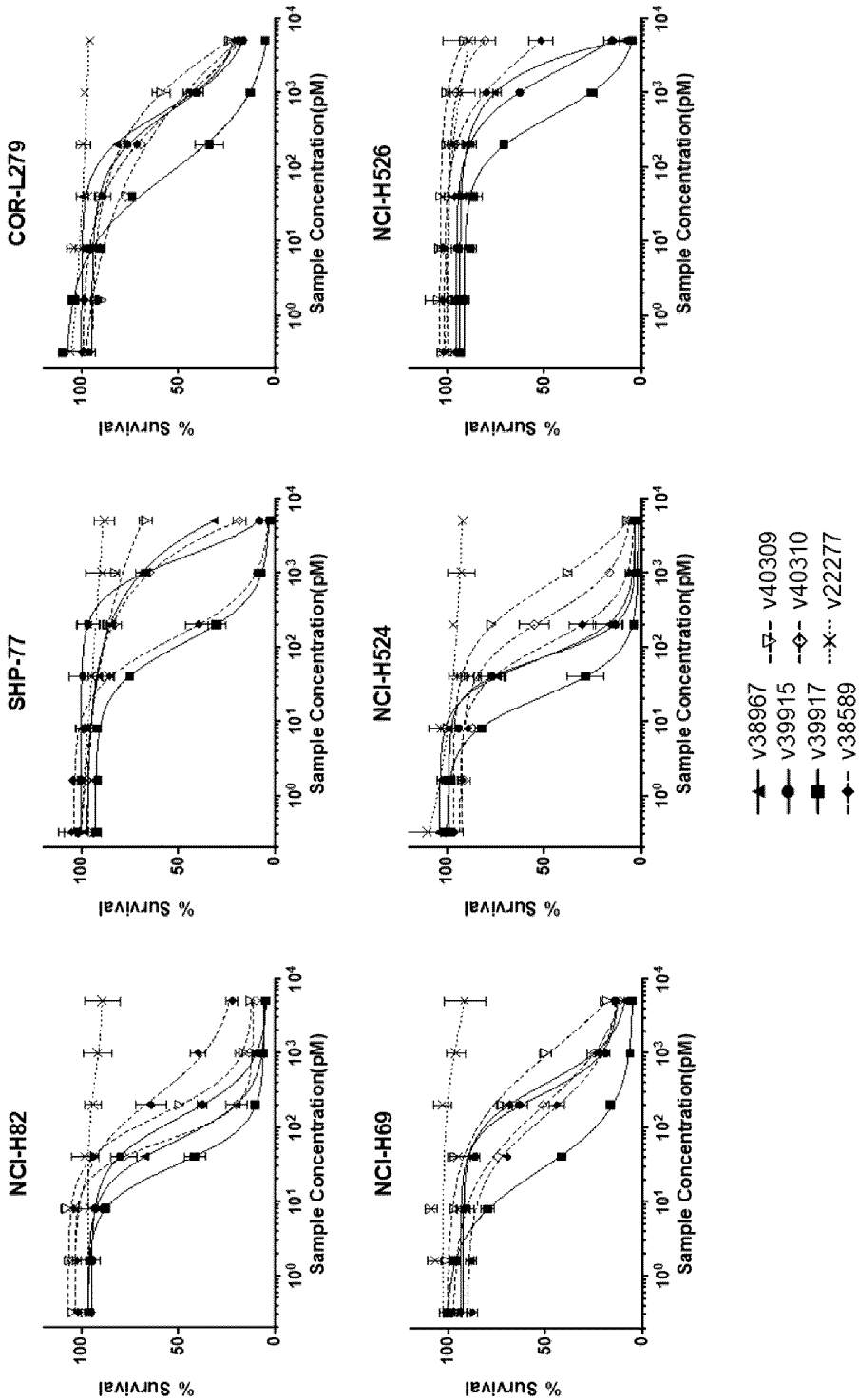

COR-L279
NCI-H526
SHP-77
NCI-H524
NCI-H82
NCI-H69
% Survival
Sample Concentration(pM)
v38967
v40309
v39915
v40310
v39917
v22277
v38589

FIG. 4B

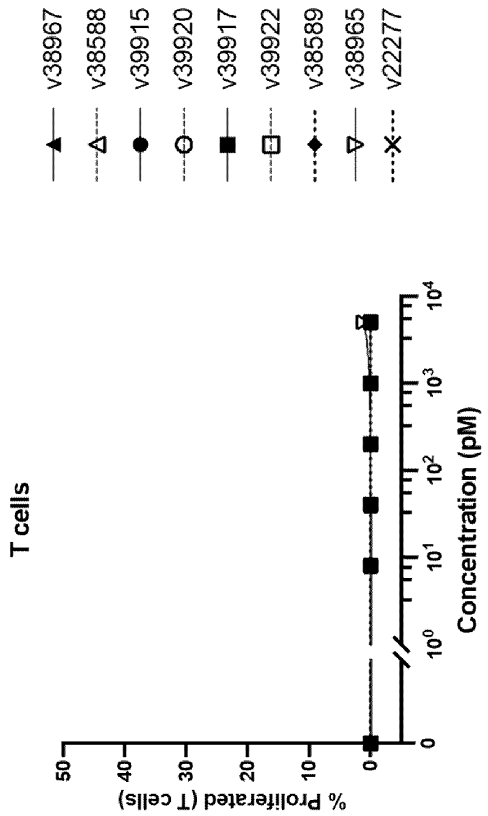

v38967
v38588
v39915
v39920
v39917
v39922
v38589
v38965
v22277
T cells
% Proliferated (T cells)
Concentration (pM)
0
10
20
30
40
50
10^0
10^1
10^2
10^3
10^4

FIG. 5B

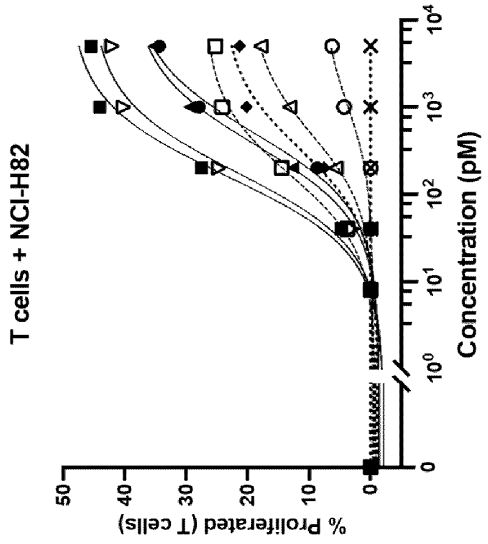

T cells + NCI-H82
% Proliferated (T cells)
Concentration (pM)
0
10
20
30
40
50
10^0
10^1
10^2
10^3
10^4

FIG. 5A

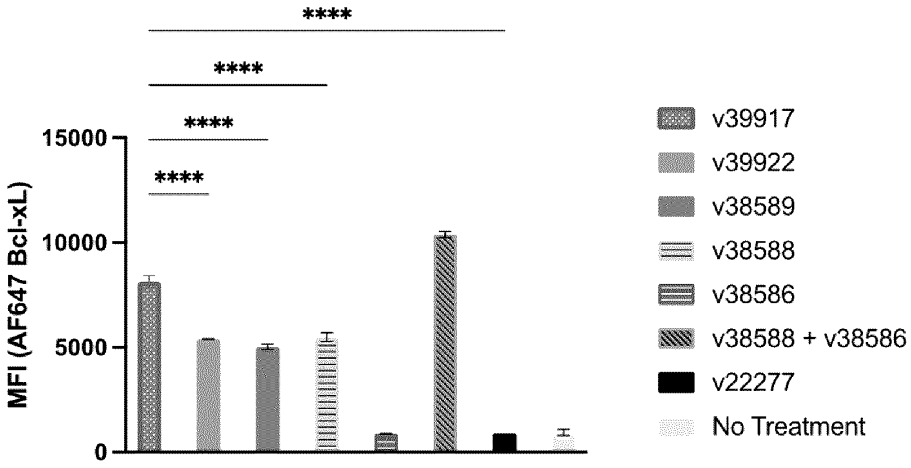

****
****
****
****
15000
10000
5000
0
MFI (AF647 Bcl-xL)
v39917
v39922
v38589
v38588
v38586
v38588 + v38586
v22277
No Treatment

FIG. 6A

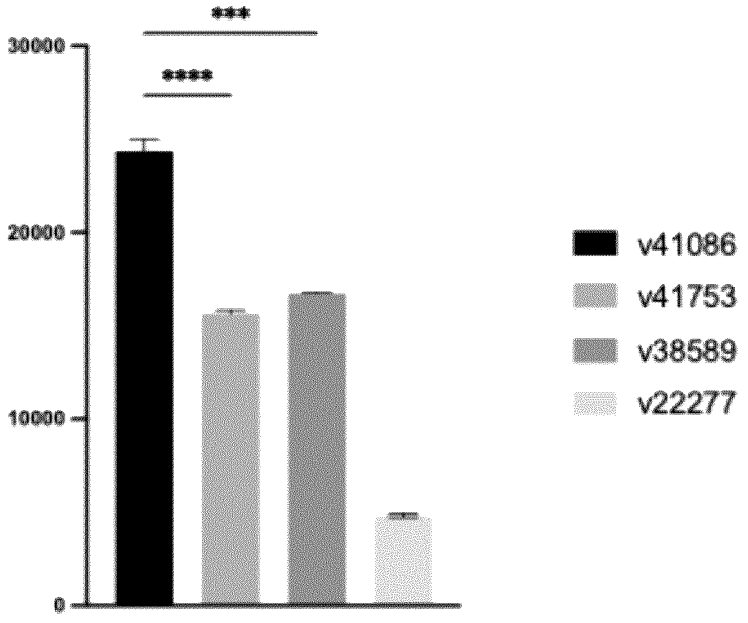

***
****
30000
20000
10000
0
v41086
v41753
v38589
v22277

FIG. 6B

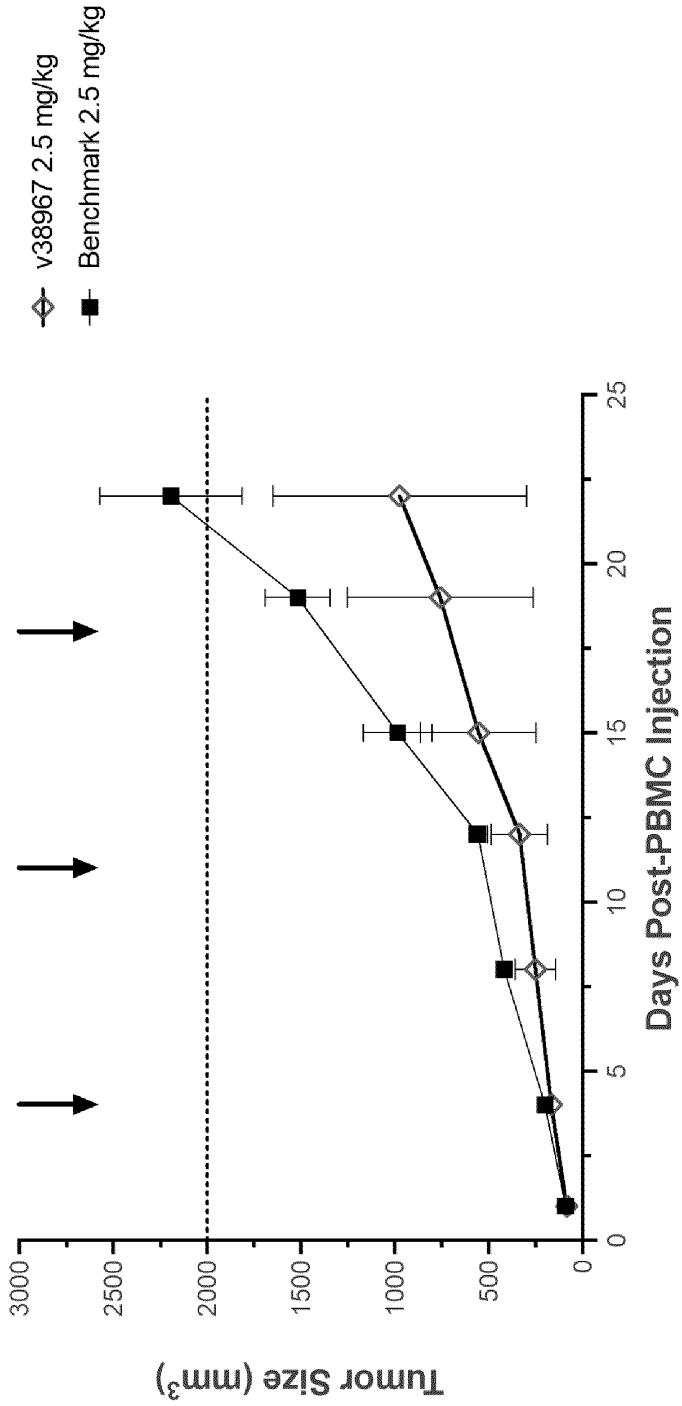

v38967 2.5 mg/kg
Benchmark 2.5 mg/kg
Tumor Size (mm³)
3000
2500
2000
1500
1000
500
0
0
5
10
15
20
25
Days Post-PBMC Injection

FIG. 7

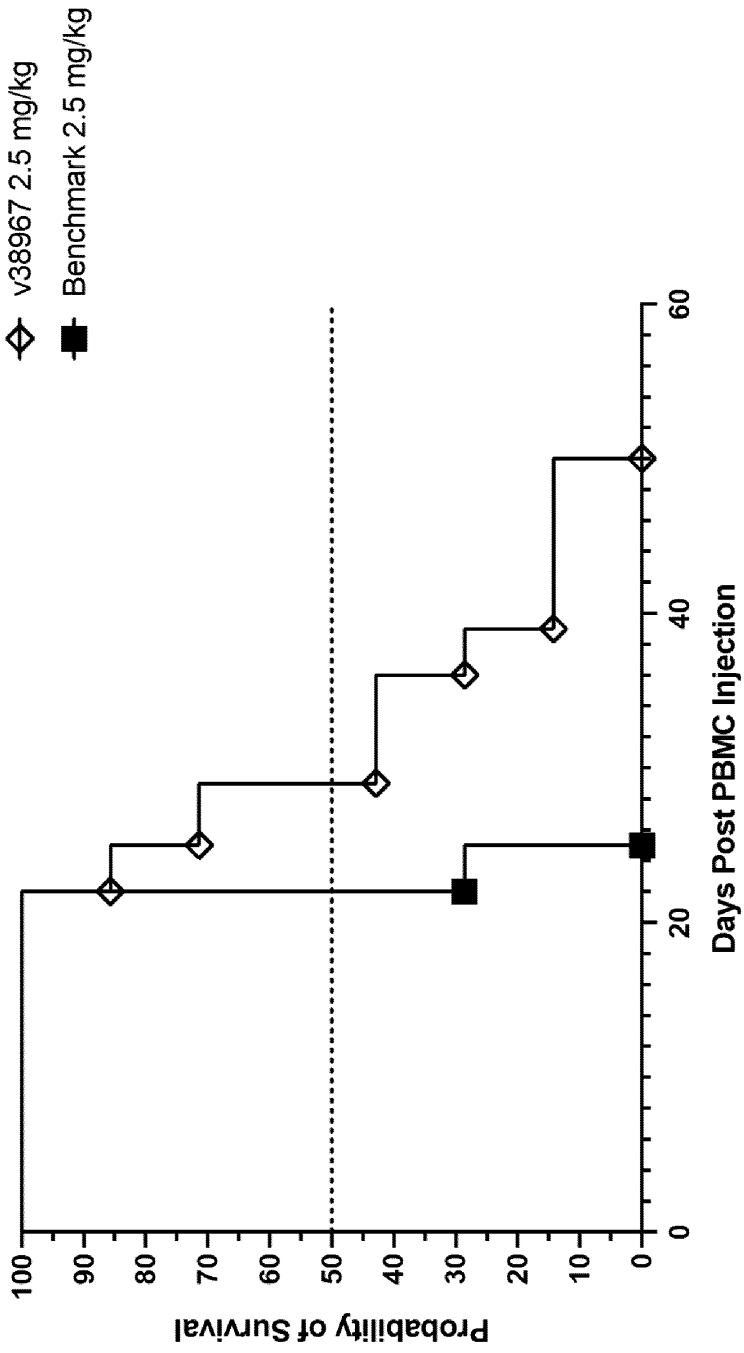

v38967 2.5 mg/kg
Benchmark 2.5 mg/kg
Probability of Survival
100
90
80
70
60
50
40
30
20
10
0
0
20
40
60
Days Post PBMC Injection

FIG. 8

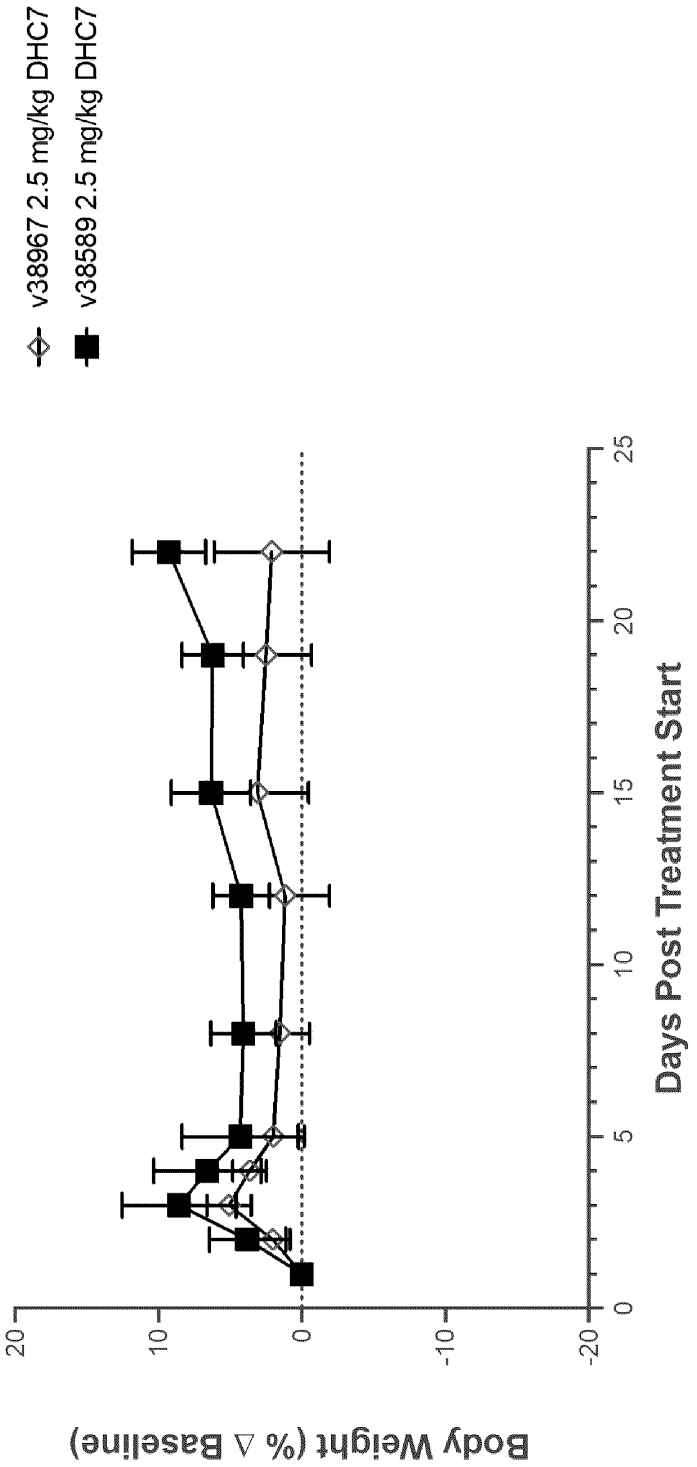

v38967 2.5 mg/kg DHC7
v38589 2.5 mg/kg DHC7
Body Weight (% ∆ Baseline)
20
10
0
-10
-20
0
5
10
15
20
25
Days Post Treatment Start

FIG. 9

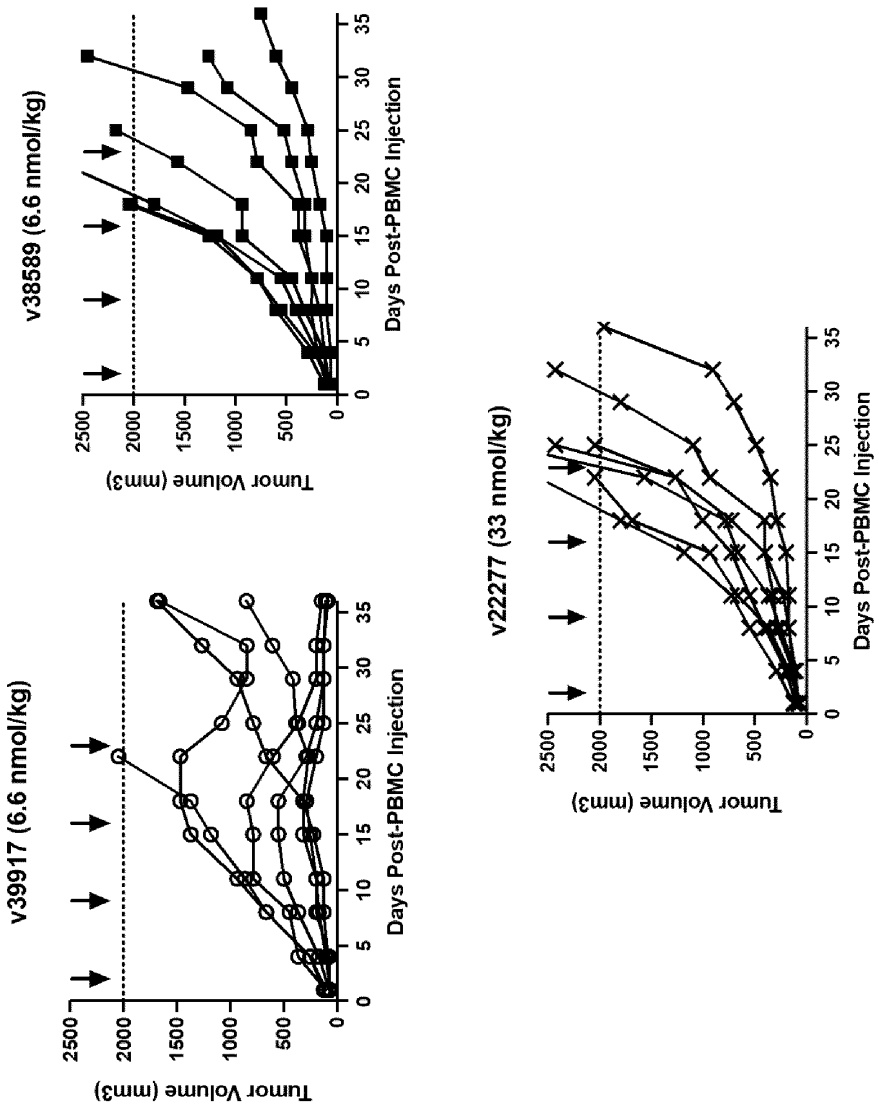

v38589 (6.6 nmol/kg)
v39917 (6.6 nmol/kg)
v22277 (33 nmol/kg)
Tumor Volume (mm3)
Days Post-PBMC Injection
0
500
1000
1500
2000
2500
0
5
10
15
20
25
30
35

FIG. 10

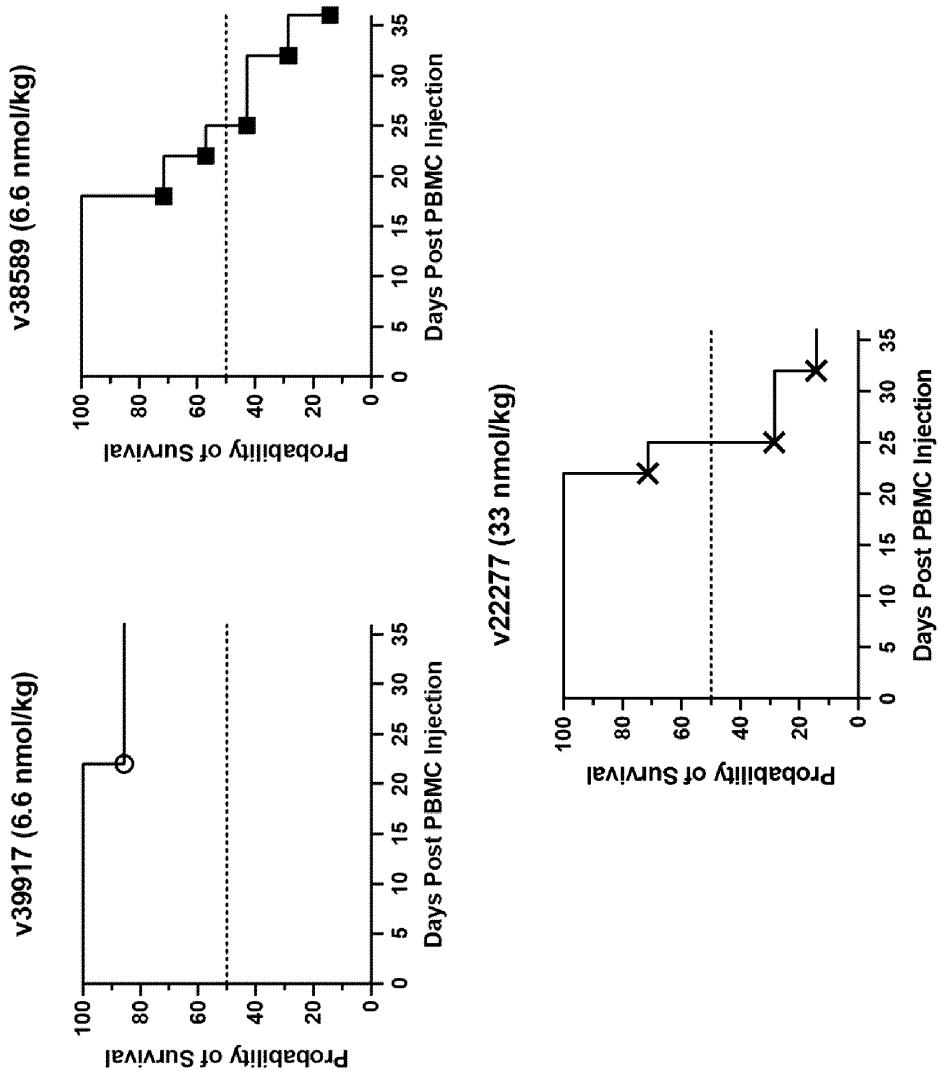

v38589 (6.6 nmol/kg)
Probability of Survival
Days Post PBMC Injection
v39917 (6.6 nmol/kg)
Probability of Survival
Days Post PBMC Injection
v22277 (33 nmol/kg)
Probability of Survival
Days Post PBMC Injection

FIG. 11

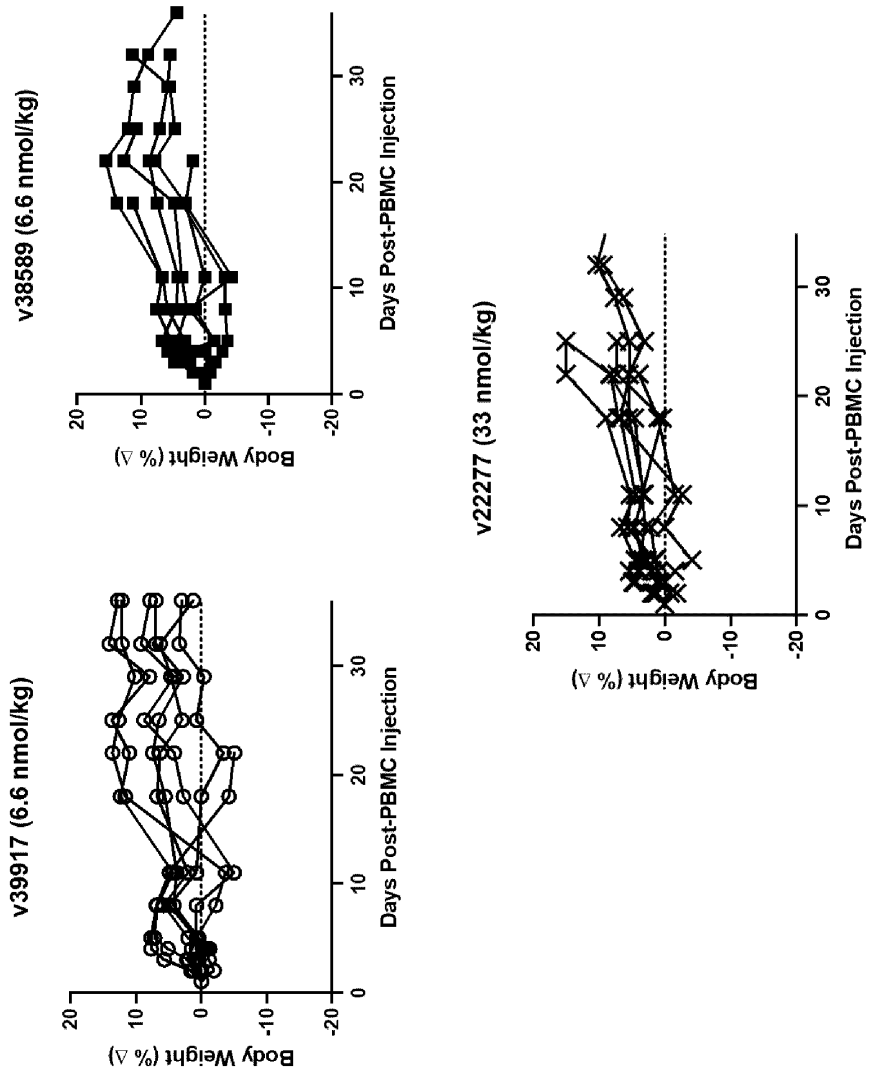

v38589 (6.6 nmol/kg)
v39917 (6.6 nmol/kg)
v22277 (33 nmol/kg)
Body Weight (% Δ)
Days Post-PBMC Injection
20
10
0
-10
-20
0
10
20
30

FIG. 12

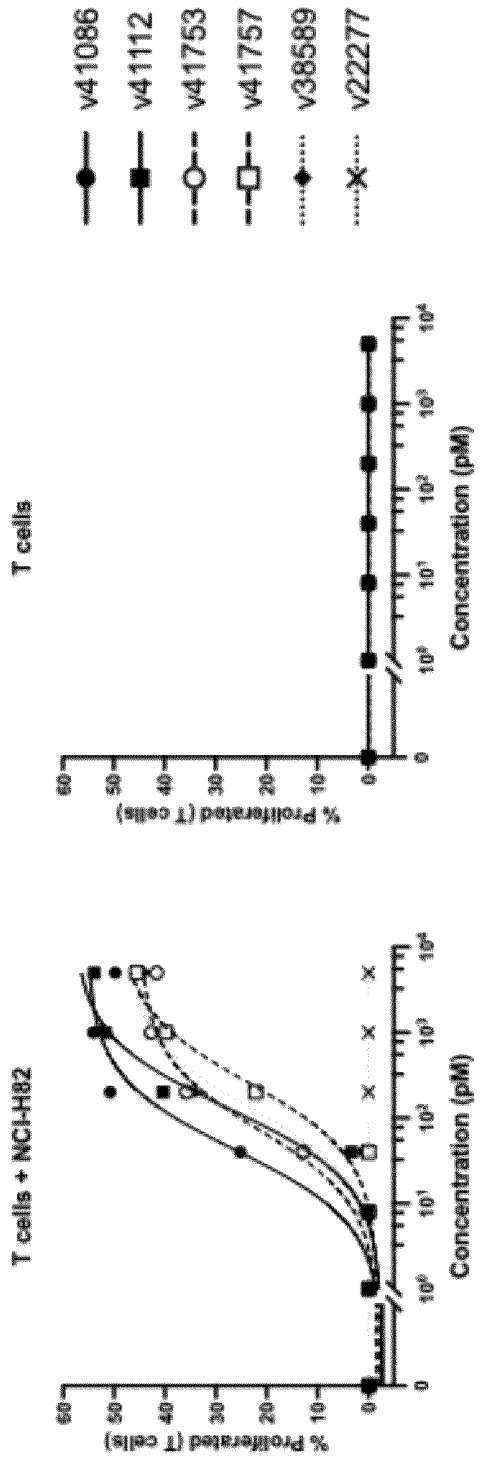

v41086
v41112
v41753
v41757
v38589
v22277
T cells
% Proliferated (T cells)
Concentration (pM)
T cells + NCI-H82
% Proliferated (T cells)
Concentration (pM)

FIG. 13A

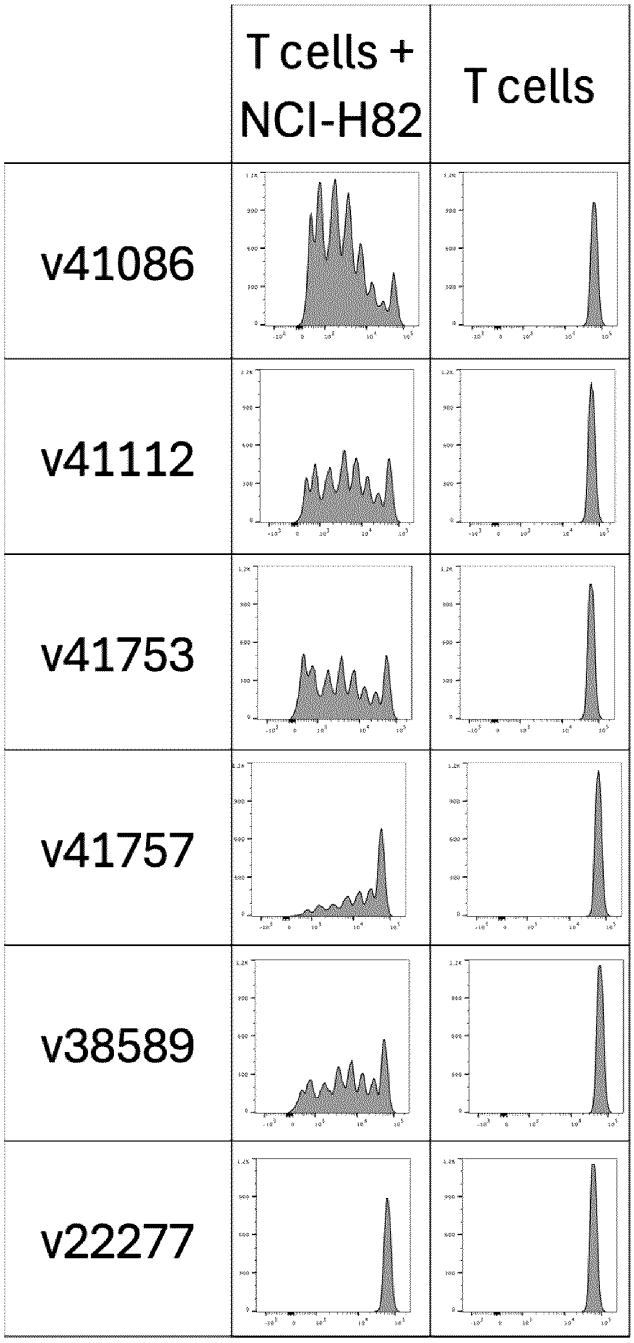

T cells + NCI-H82
T cells
v41086
v41112
v41753
v41757
v38589
v22277

FIG. 13B

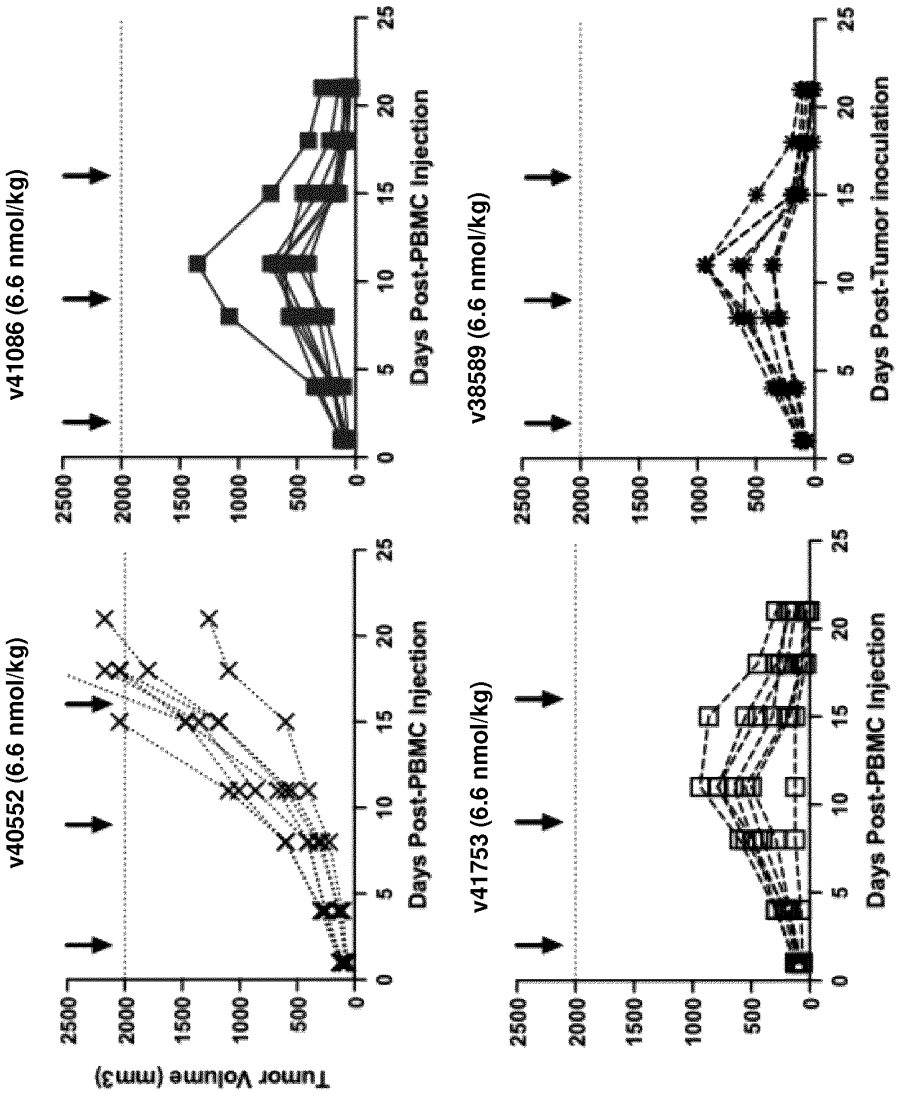

v40552 (6.6 nmol/kg)
v41086 (6.6 nmol/kg)
v41753 (6.6 nmol/kg)
v38589 (6.6 nmol/kg)
Tumor Volume (mm3)
Days Post-PBMC Injection
Days Post-Tumor inoculation
0
500
1000
1500
2000
2500
0
5
10
15
20
25

FIG. 14

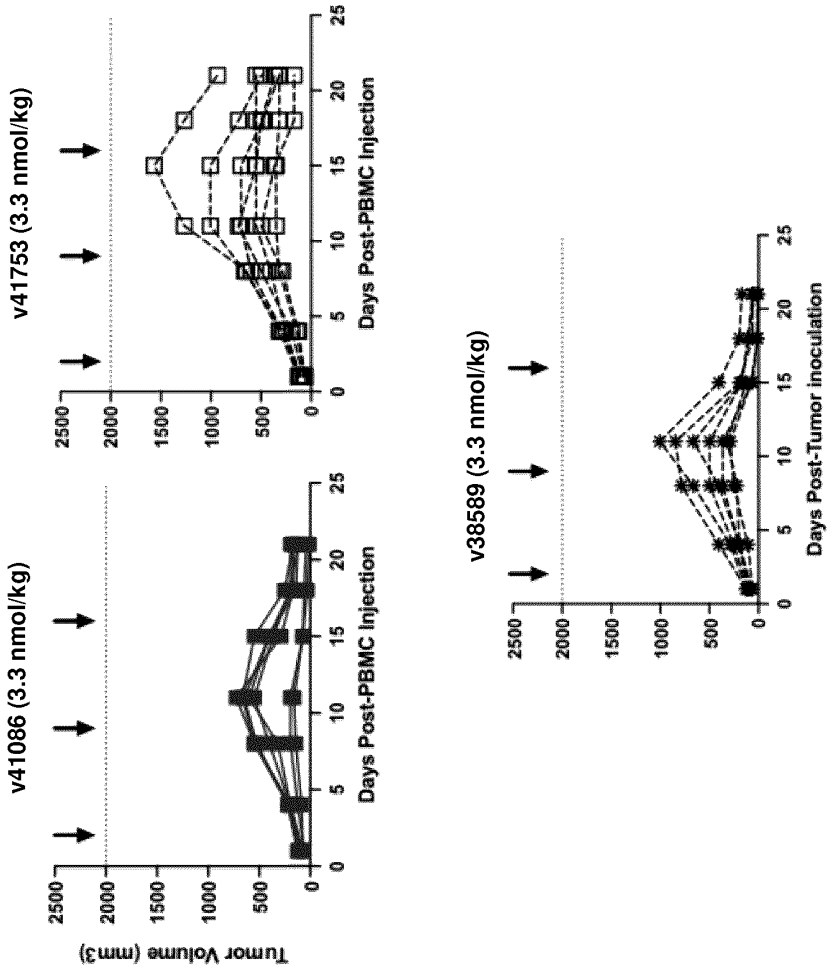

v41086 (3.3 nmol/kg)
v41753 (3.3 nmol/kg)
v38589 (3.3 nmol/kg)
Tumor Volume (mm3)
Days Post-PBMC Injection
Days Post-Tumor inoculation
0
500
1000
1500
2000
2500
0
5
10
15
20
25

FIG. 14 (cont.)

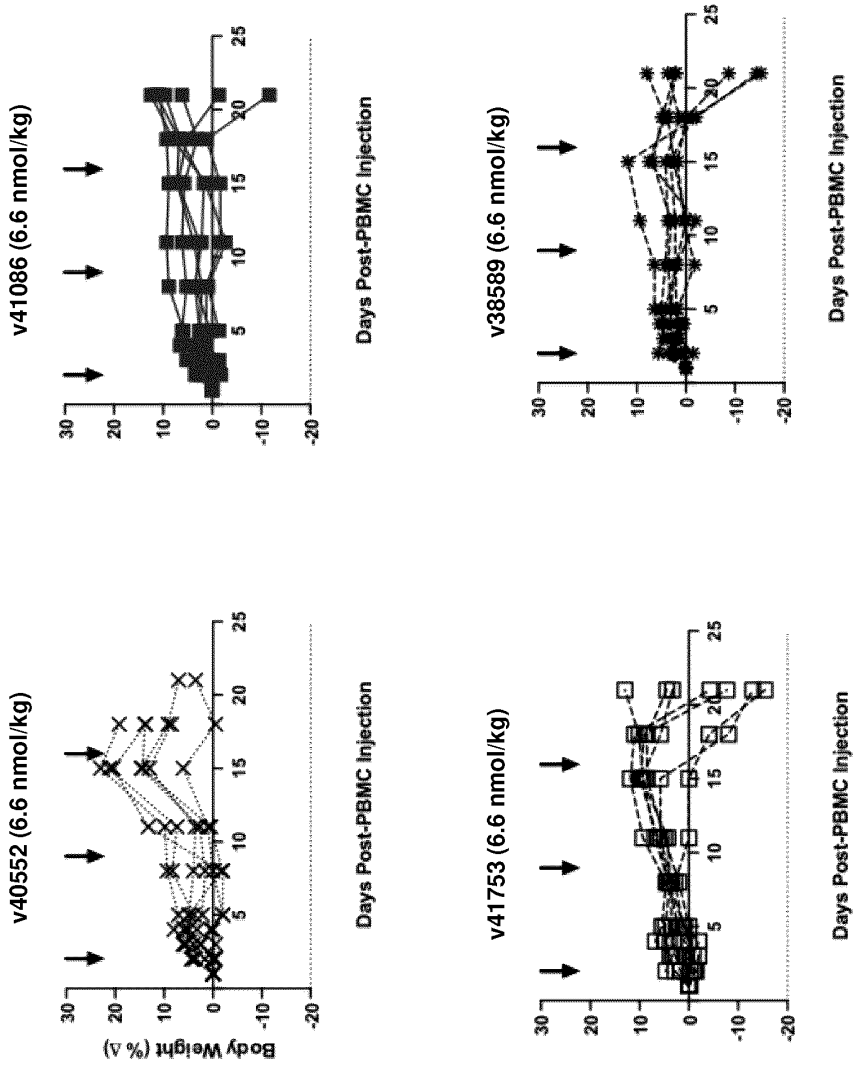

v41086 (6.6 nmol/kg)
v38589 (6.6 nmol/kg)
v40552 (6.6 nmol/kg)
v41753 (6.6 nmol/kg)
Body Weight (% Δ)
Days Post-PBMC Injection
30
20
10
0
-10
-20
5
10
15
20
25

FIG. 15

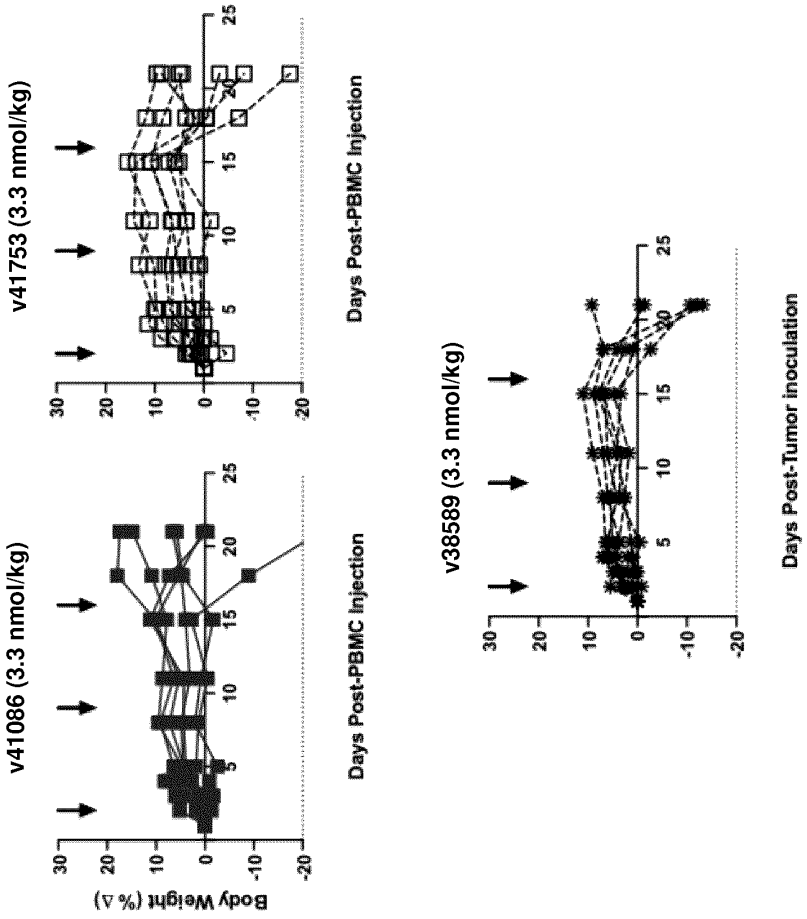

v41086 (3.3 nmol/kg)
v41753 (3.3 nmol/kg)
v38589 (3.3 nmol/kg)
Body Weight (% Δ)
Days Post-PBMC Injection
Days Post-PBMC Injection
Days Post-Tumor inoculation

FIG. 15 (cont.)

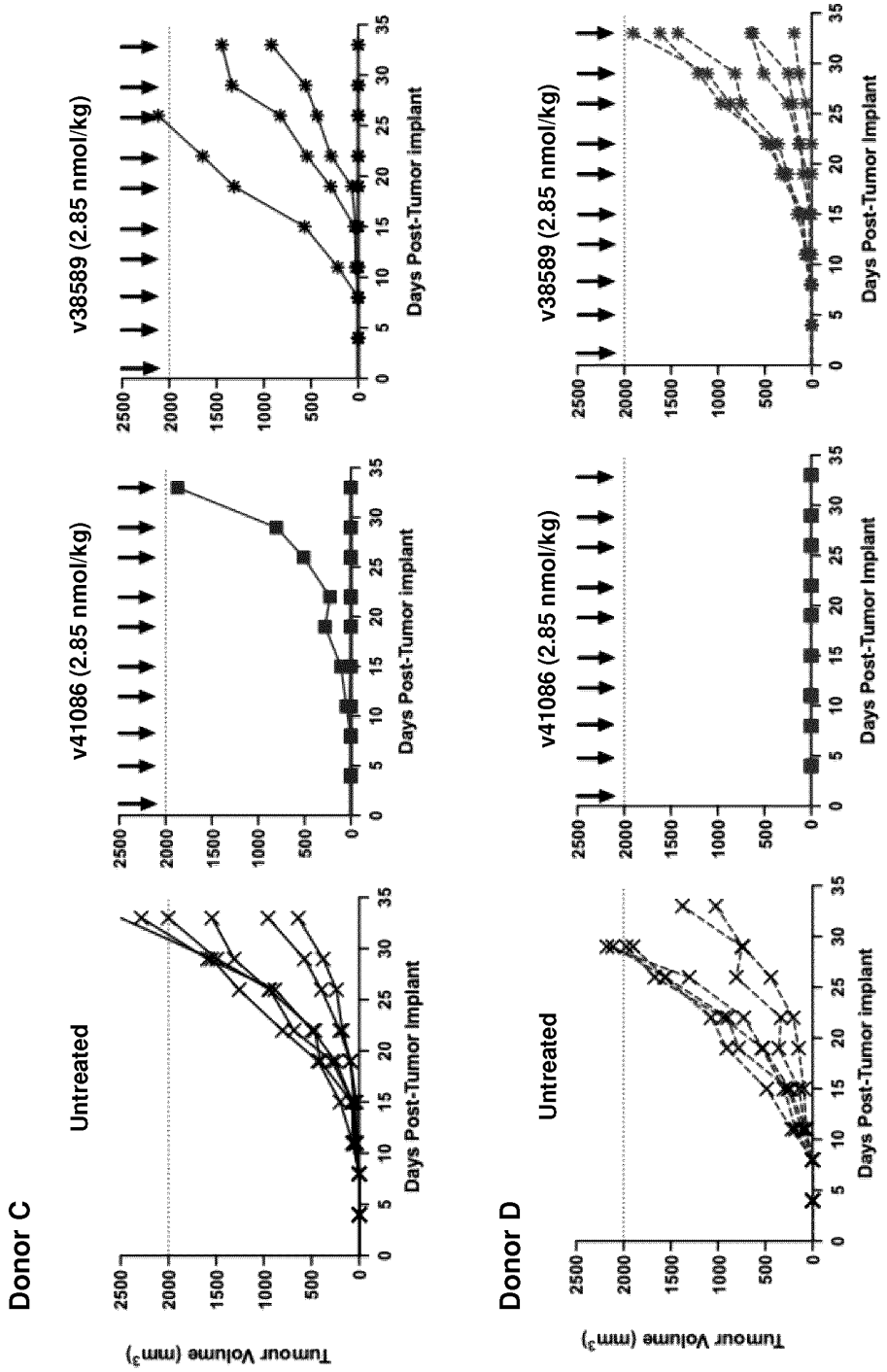

Donor C
Donor D
Untreated
v41086 (2.85 nmol/kg)
v38589 (2.85 nmol/kg)
Tumour Volume (mm³)
Days Post-Tumor Implant
0
500
1000
1500
2000
2500
0
5
10
15
20
25
30
35

FIG. 16

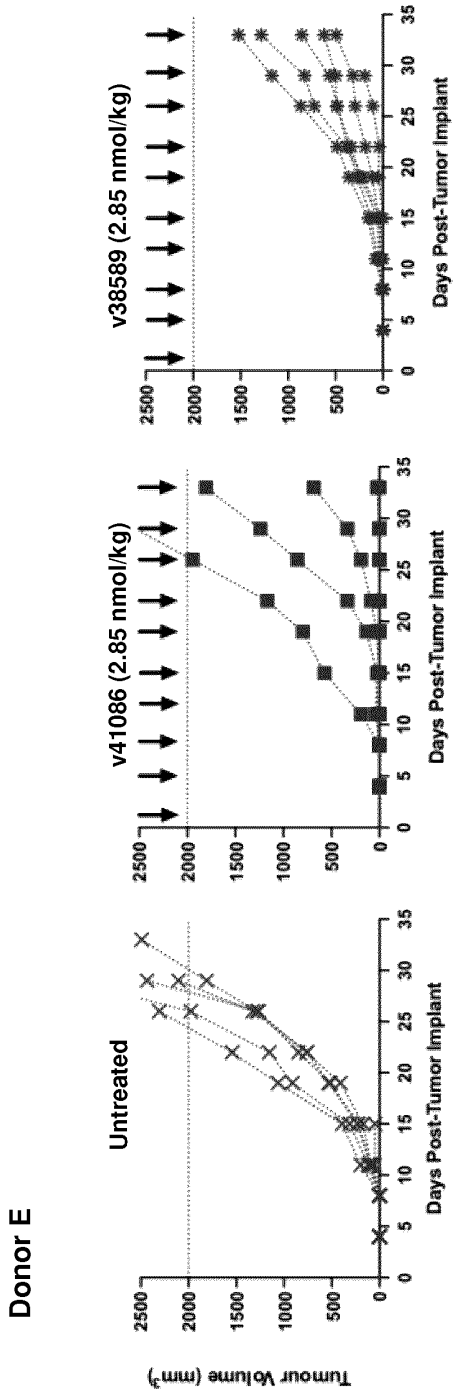

Donor E
Untreated
v41086 (2.85 nmol/kg)
v38589 (2.85 nmol/kg)
Tumour Volume (mm³)
Days Post-Tumor Implant
0
500
1000
1500
2000
2500
0
5
10
15
20
25
30
35

FIG. 16 (cont.)

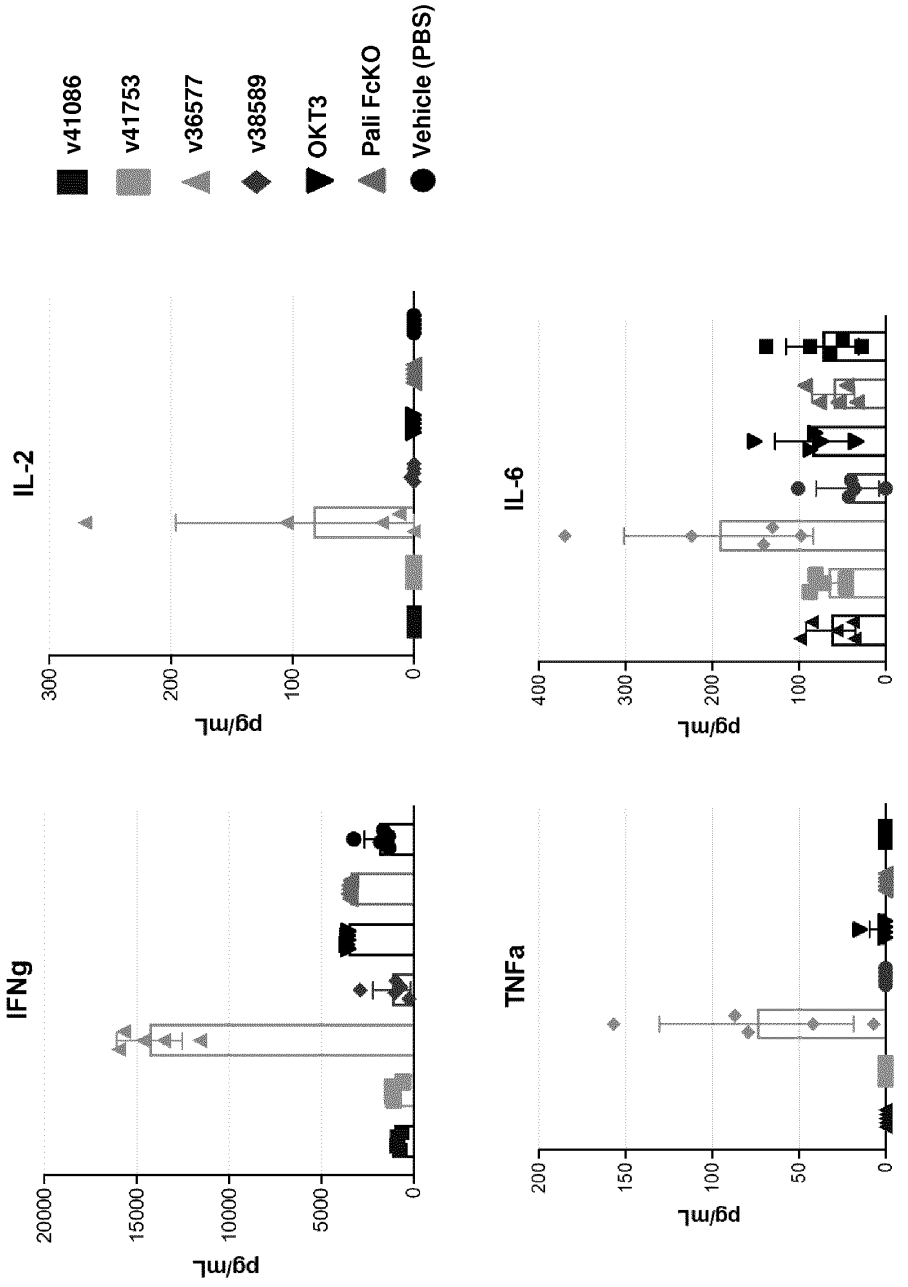

v41086
v41753
v36577
v38589
OKT3
Pali FcKO
Vehicle (PBS)
IL-2
IFNg
IL-6
TNFa
pg/mL
0
100
200
300
5000
10000
15000
20000
400
50
150

FIG. 17

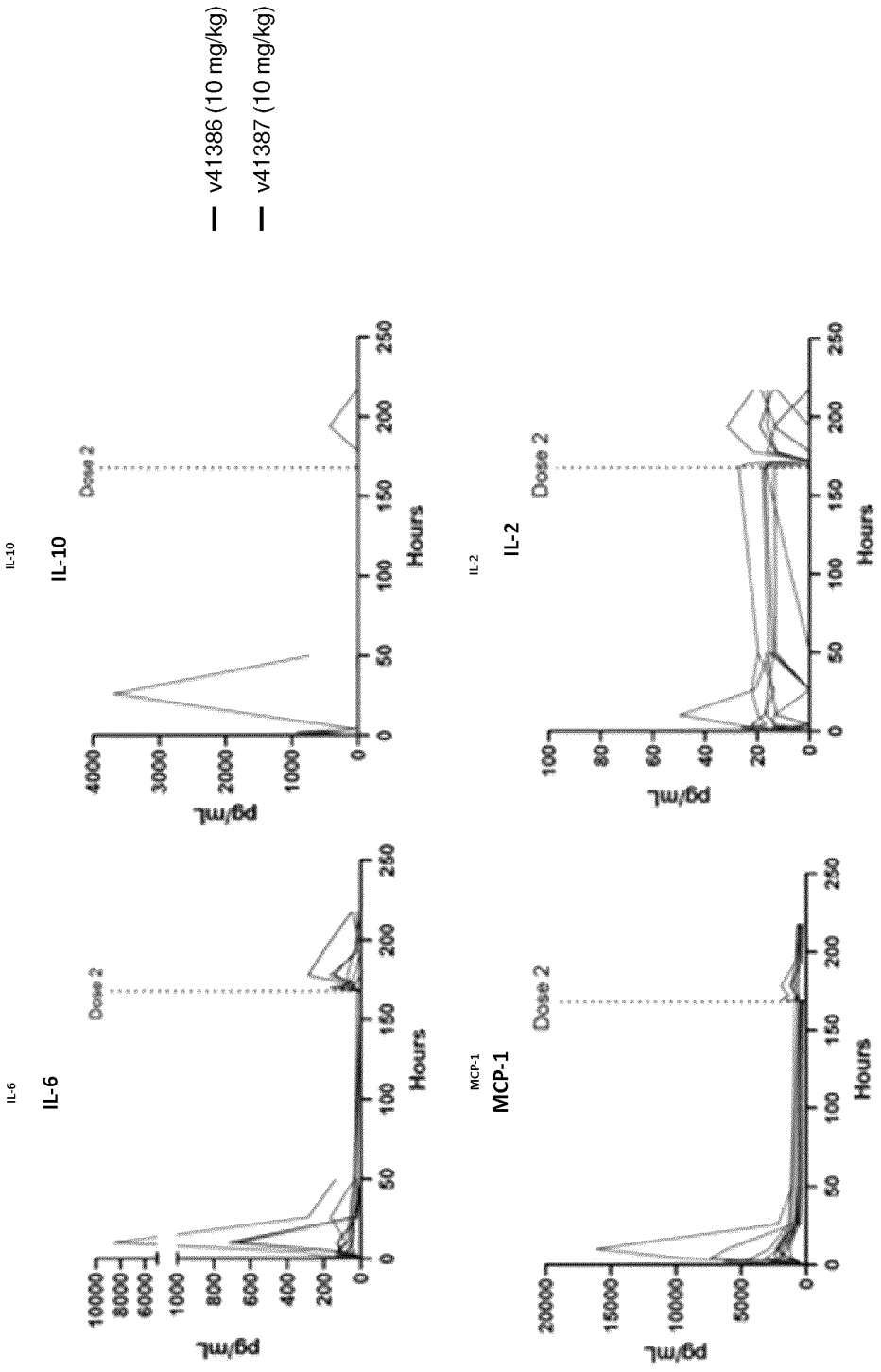

v41386 (10 mg/kg)
v41387 (10 mg/kg)
IL-10
IL-10
pg/mL
Dose 2
Hours
IL-6
IL-6
pg/mL
Dose 2
Hours
IL-2
IL-2
pg/mL
Dose 2
Hours
MCP-1
MCP-1
pg/mL
Dose 2
Hours

FIG. 18