FIG. 1A

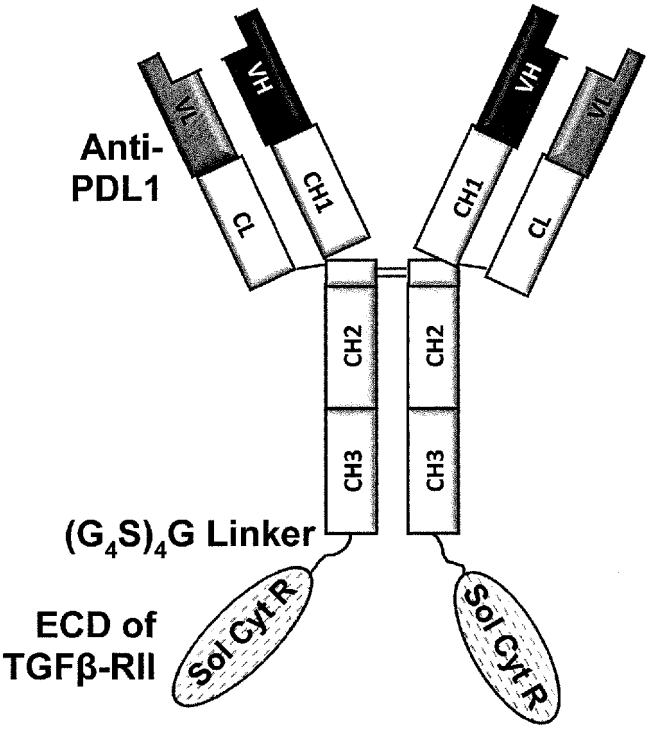

Anti-
PDL1
VL
VH
CL
CH1
CH1
VH
VL
CL
CH2
CH2
CH3
CH3
(G4S)4G Linker
ECD of
TGFβ-RII
Sol Cyt R
Sol Cyt R

FIG. 1B

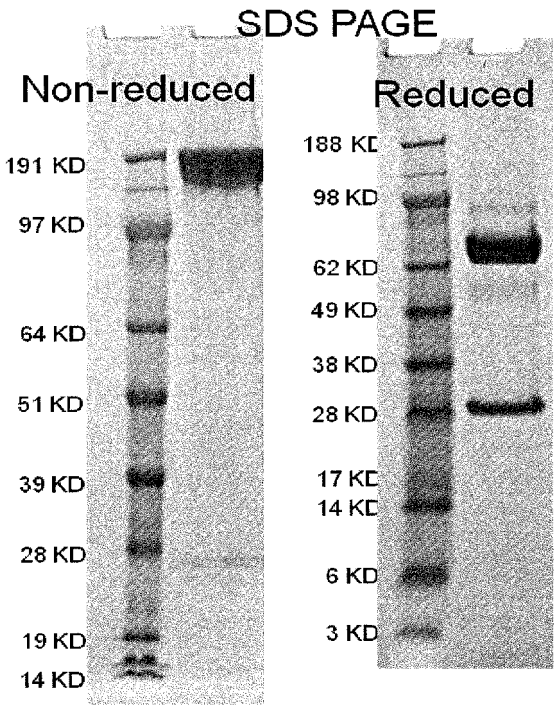
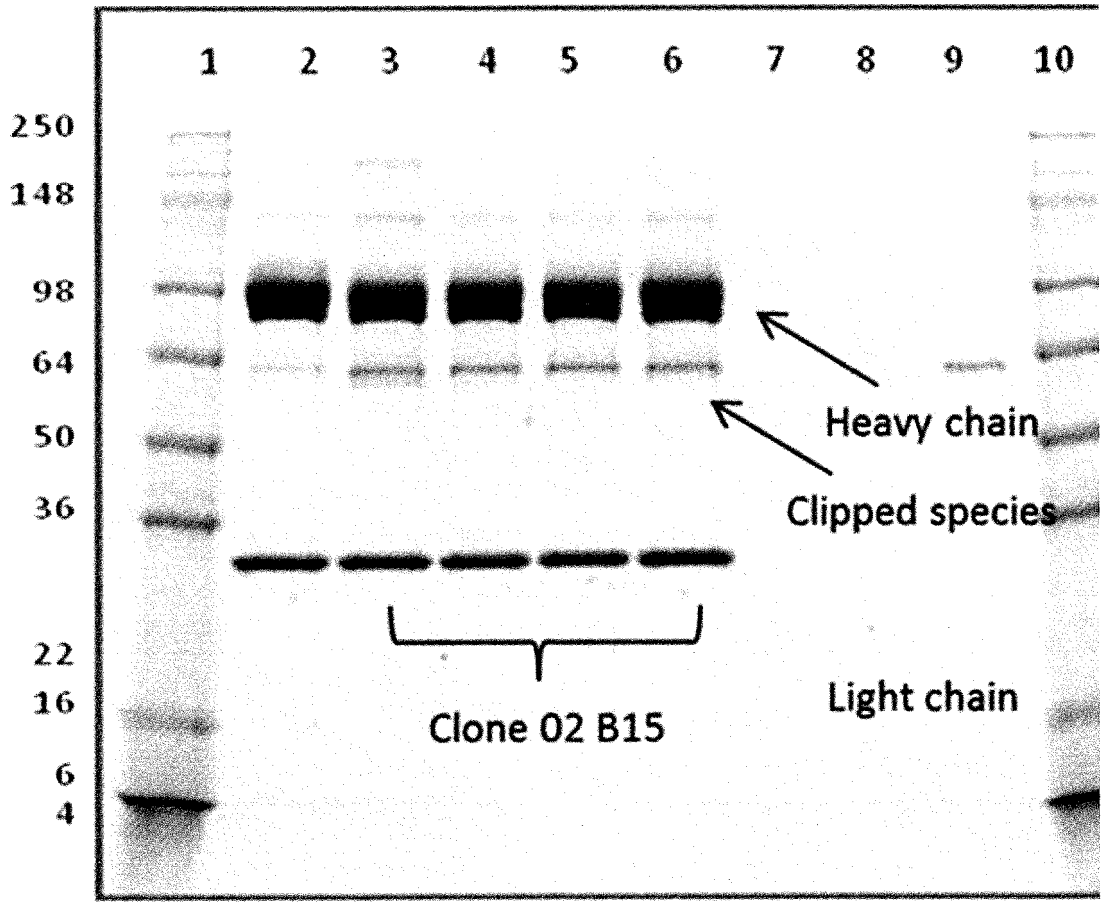

SDS PAGE
Non-reduced
Reduced
191 KD
97 KD
64 KD
51 KD
39 KD
28 KD
19 KD
14 KD
188 KD
98 KD
62 KD
49 KD
38 KD
28 KD
17 KD
14 KD
6 KD
3 KD

FIG. 2


1
2
3
4
5
6
7
8
9
10
250
148
98
64
50
36
22
16
6
4
Heavy chain
Clipped species
Clone 02 B15
Light chain

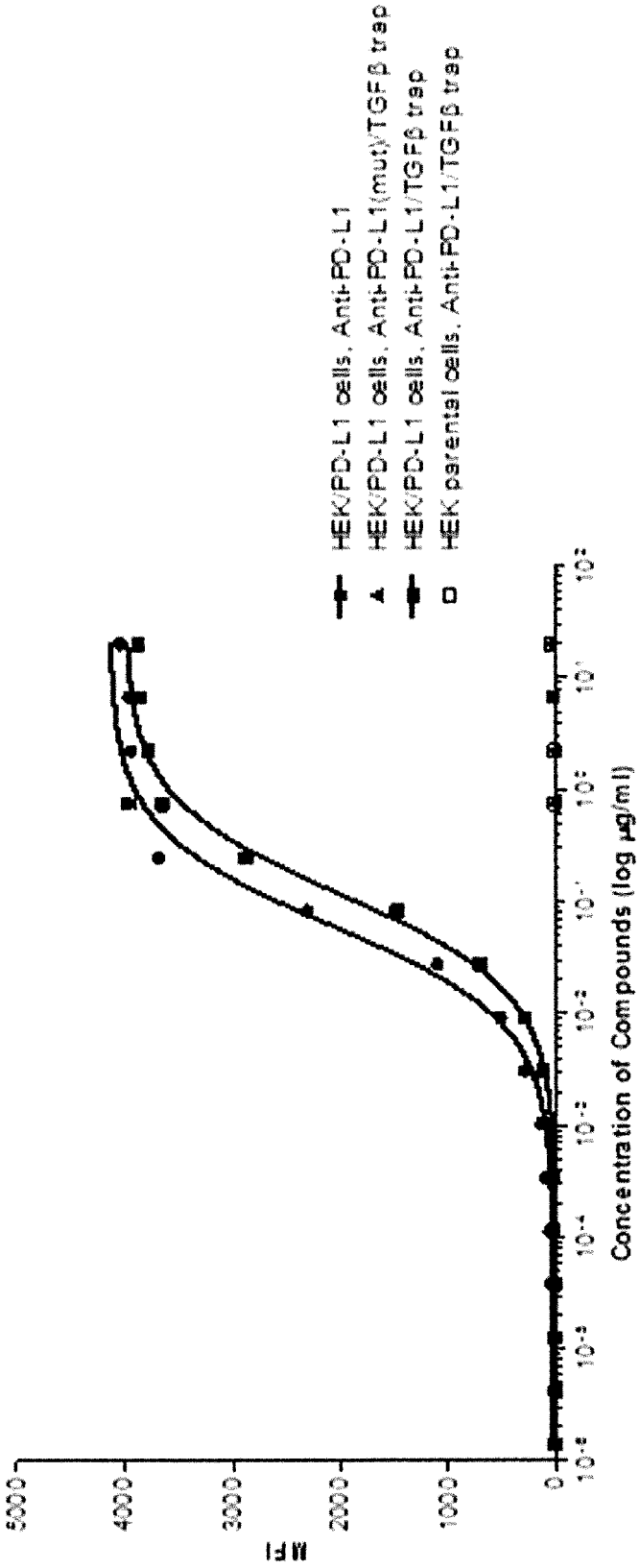

HEK/PD-L1 cells, Anti-PD-L1
HEK/PD-L1 cells, Anti-PD-L1(mut)/TGFβ trap
HEK/PD-L1 cells, Anti-PD-L1/TGFβ trap
HEK parental cells, Anti-PD-L1/TGFβ trap
MFI
5000
4000
3000
2000
1000
0
Concentration of Compounds (log μg/ml)

FIG. 3

FIG. 4

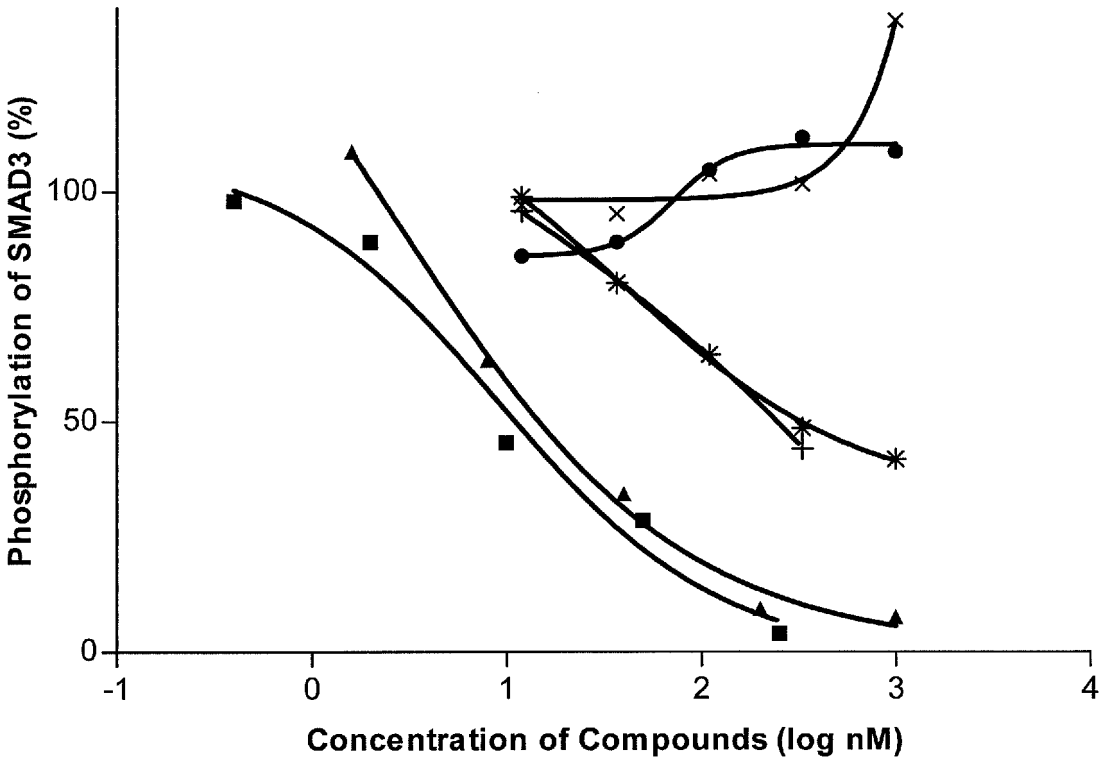

Phosphorylation of SMAD3 (%)
100
50
0
-1
0
1
2
3
4
Concentration of Compounds (log nM)

FIG. 5A

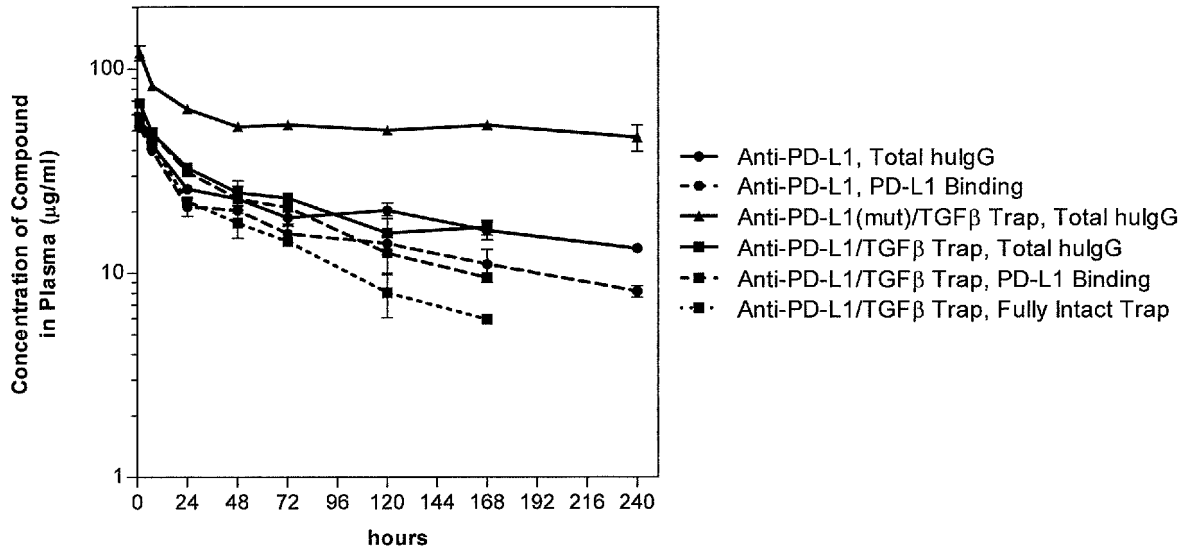

Concentration of Compound in Plasma (µg/ml)
100
10
1
0 24 48 72 96 120 144 168 192 216 240
hours
Anti-PD-L1, Total hulgG
Anti-PD-L1, PD-L1 Binding
Anti-PD-L1(mut)/TGFβ Trap, Total hulgG
Anti-PD-L1/TGFβ Trap, Total hulgG
Anti-PD-L1/TGFβ Trap, PD-L1 Binding
Anti-PD-L1/TGFβ Trap, Fully Intact Trap

FIG. 5B

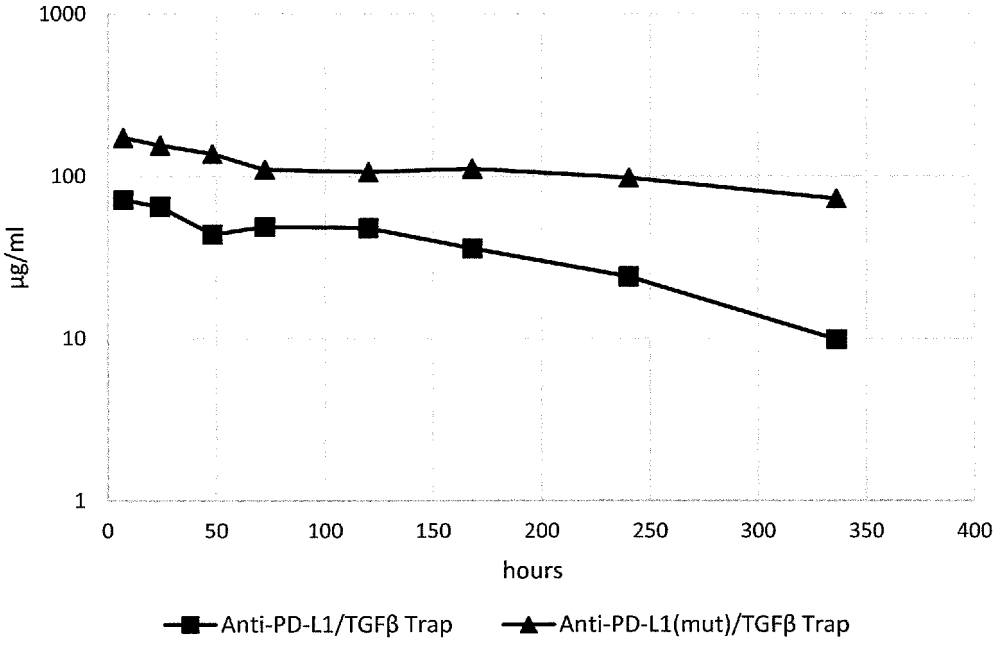

1000
100
10
1
µg/ml
0 50 100 150 200 250 300 350 400
hours
Anti-PD-L1/TGFβ Trap
Anti-PD-L1(mut)/TGFβ Trap

FIG. 6A

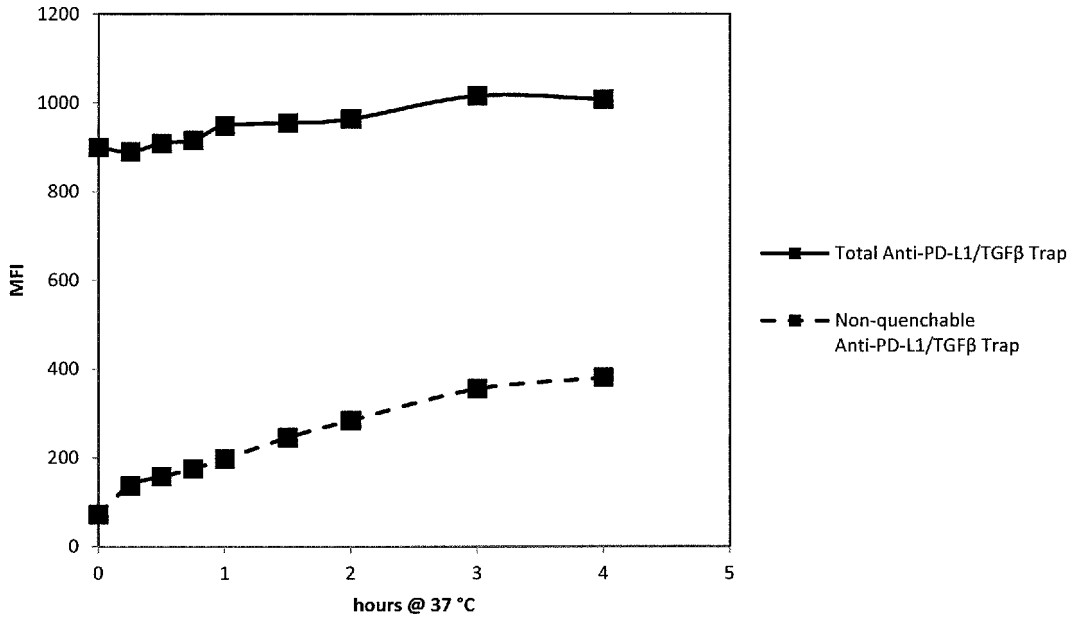

1200
1000
800
600
400
200
0
MFI
0
1
2
3
4
5
hours @ 37 °C
Total Anti-PD-L1/TGFβ Trap
Non-quenchable
Anti-PD-L1/TGFβ Trap

FIG. 6B

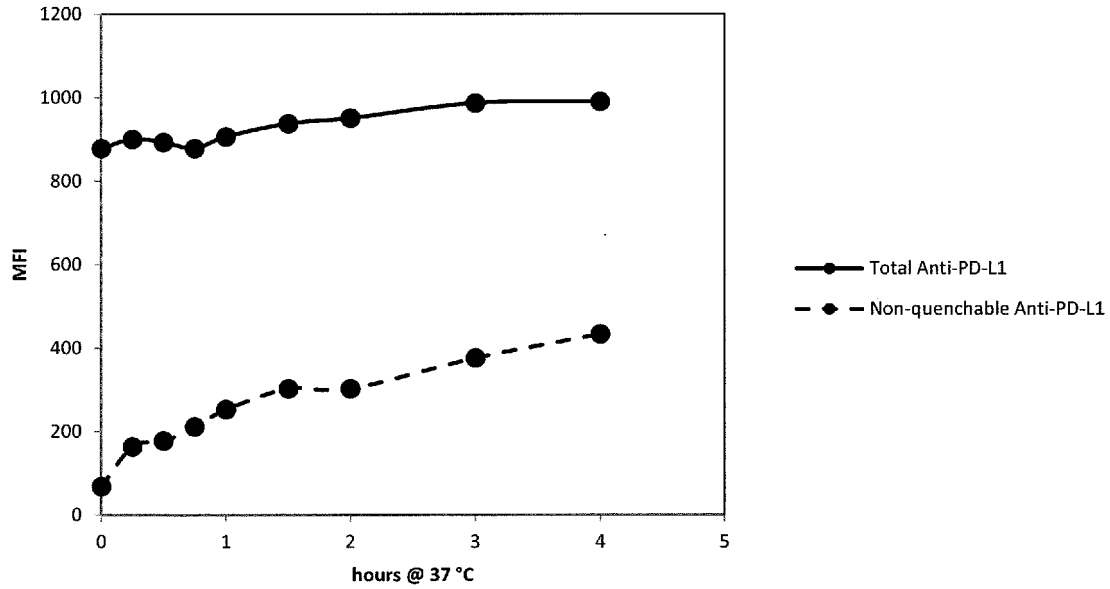

1200
1000
800
600
400
200
0
MFI
0
1
2
3
4
5
hours @ 37 °C
Total Anti-PD-L1
Non-quenchable Anti-PD-L1

FIG. 6C

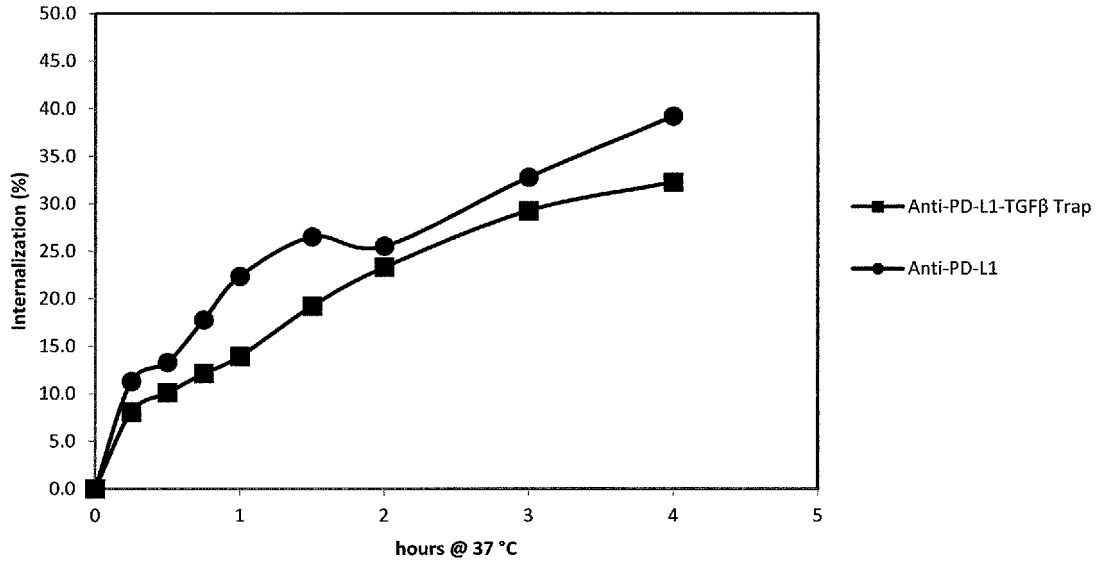
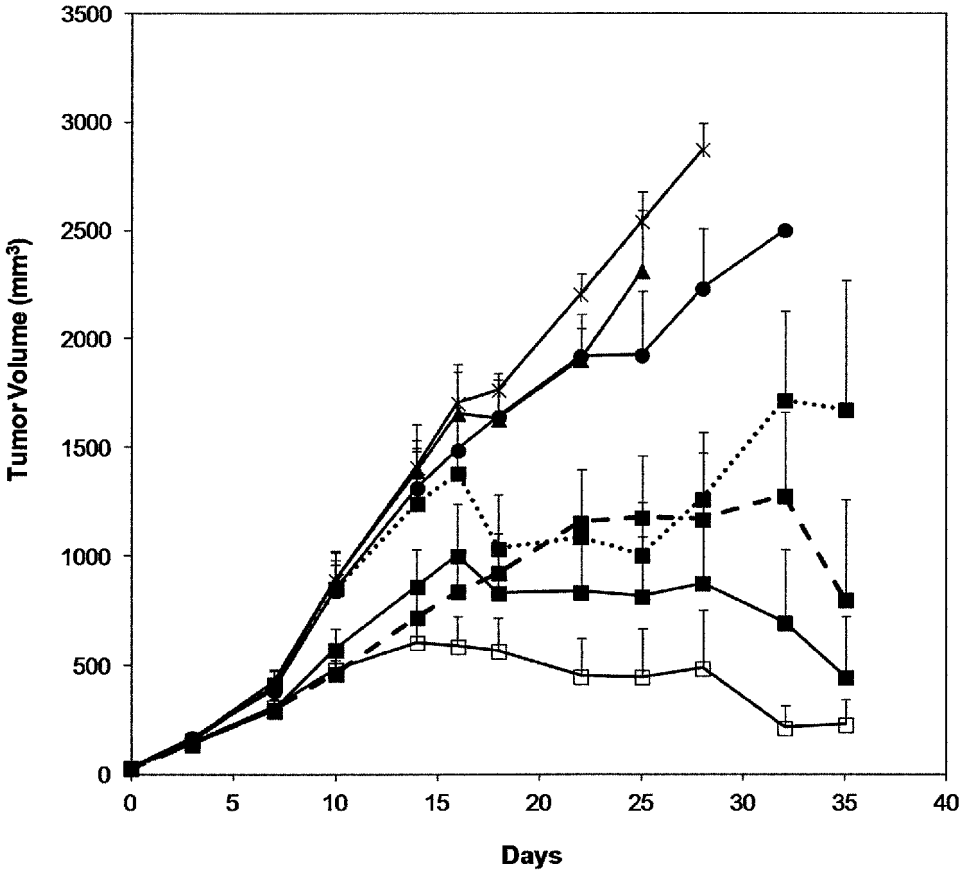

50.0
45.0
40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
Internalization (%)
0
1
2
3
4
5
hours @ 37 °C
Anti-PD-L1-TGFβ Trap
Anti-PD-L1

FIG. 7A


3500
3000
2500
2000
1500
1000
500
0
Tumor Volume (mm³)
0
5
10
15
20
25
30
35
40
Days

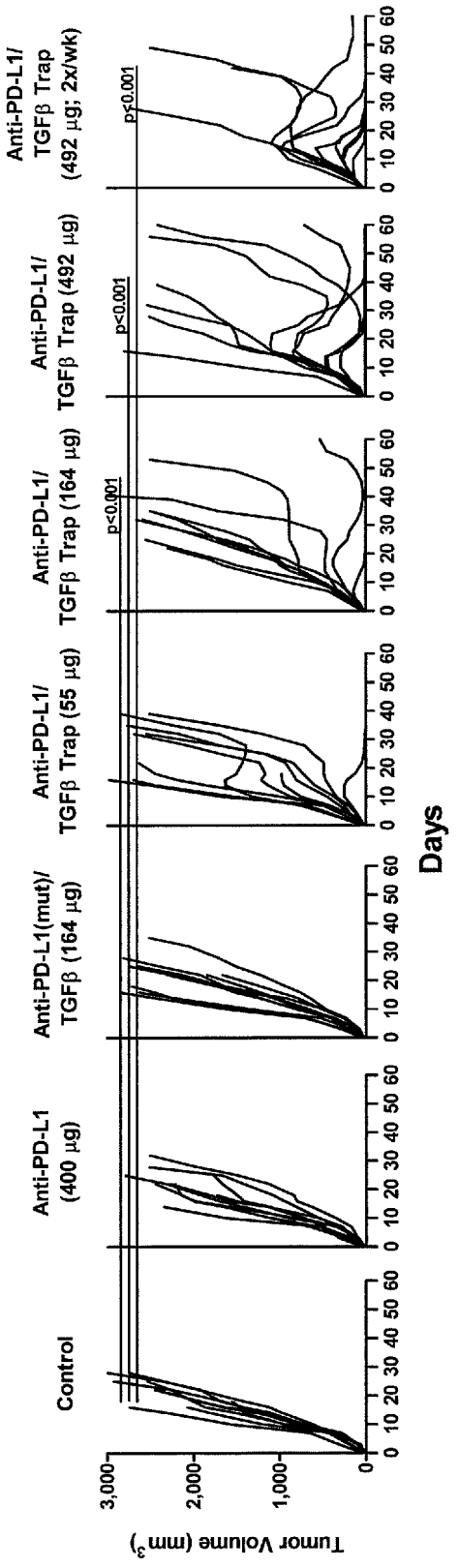

Control
Anti-PD-L1 (400 μg)
Anti-PD-L1(mut)/ TGFβ (164 μg)
Anti-PD-L1/ TGFβ Trap (55 μg)
Anti-PD-L1/ TGFβ Trap (164 μg)
Anti-PD-L1/ TGFβ Trap (492 μg)
Anti-PD-L1/ TGFβ Trap (492 μg; 2x/wk)
p<0.001
p<0.001
p<0.001
Tumor Volume (mm3)
3,000
2,000
1,000
0
0 10 20 30 40 50 60
Days

FIG. 7B

FIG. 7C

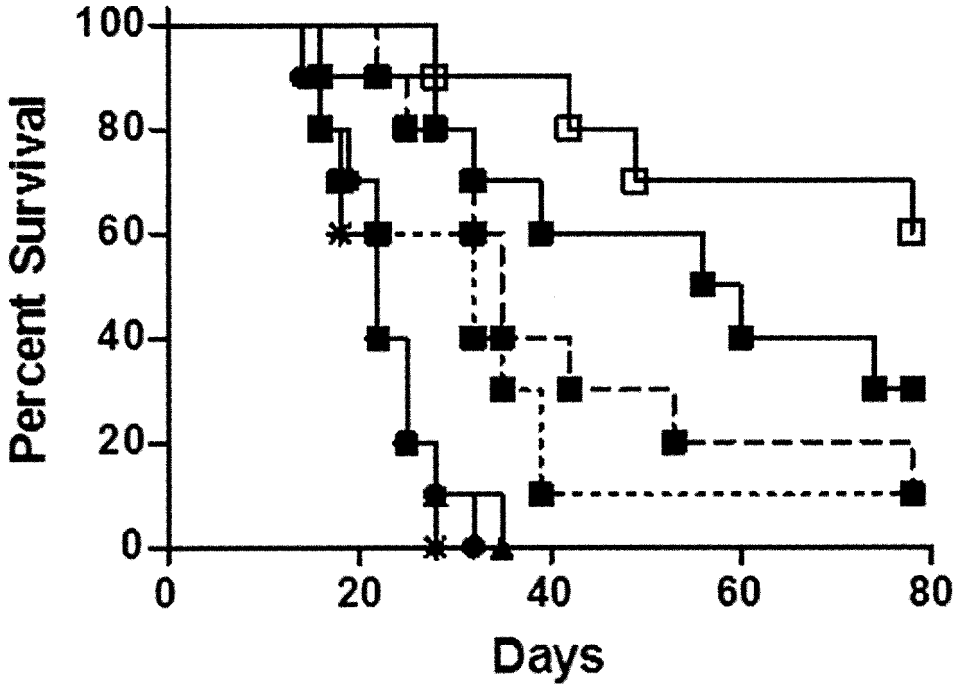


FIG. 8

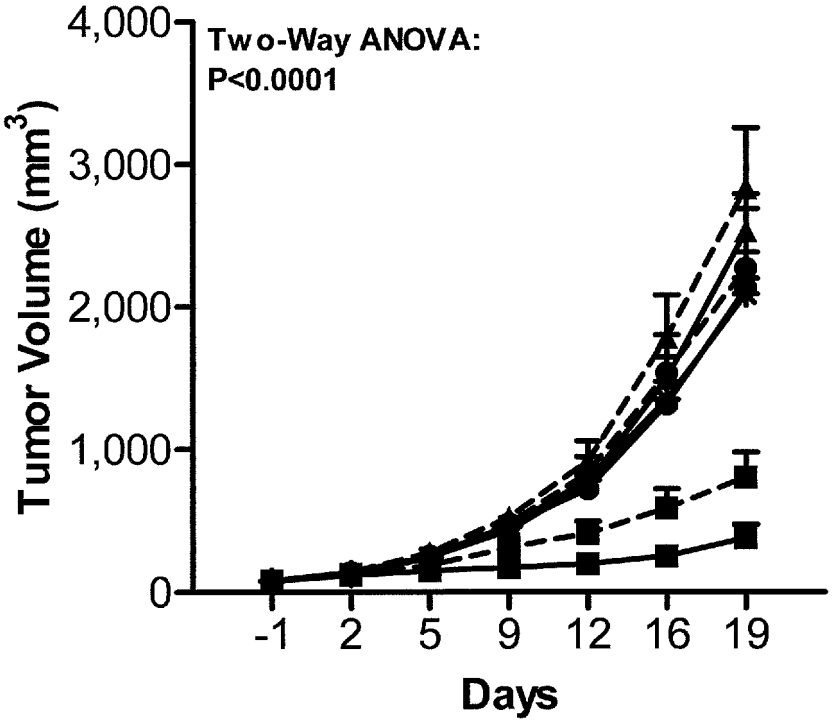

Two-Way ANOVA:
P<0.0001
Tumor Volume (mm3)
4,000
3,000
2,000
1,000
0
-1
2
5
9
12
16
19
Days

FIG. 9

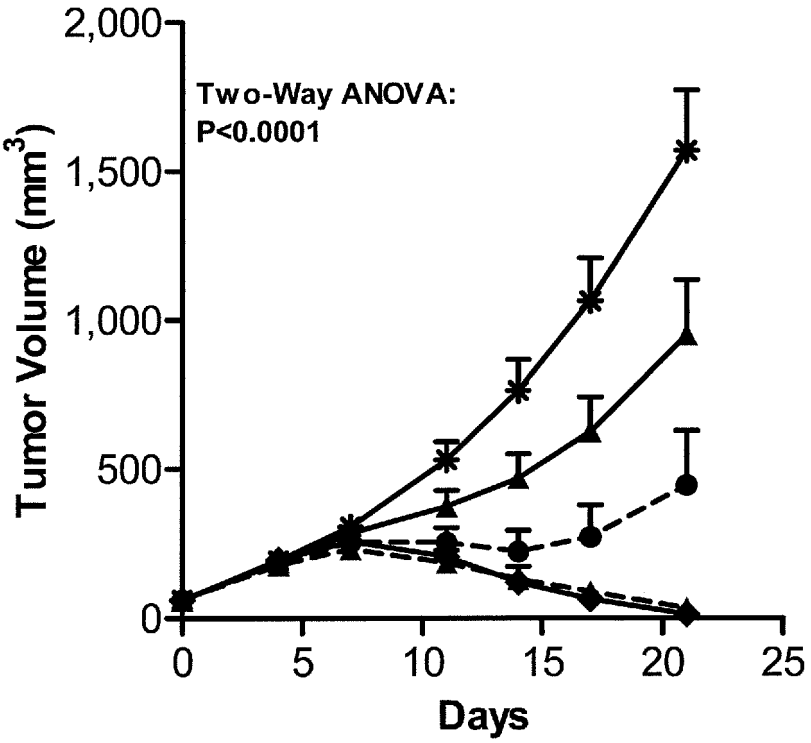

2,000
1,500
1,000
500
0
Tumor Volume (mm3)
Two-Way ANOVA:
P<0.0001
0
5
10
15
20
25
Days

FIG. 10

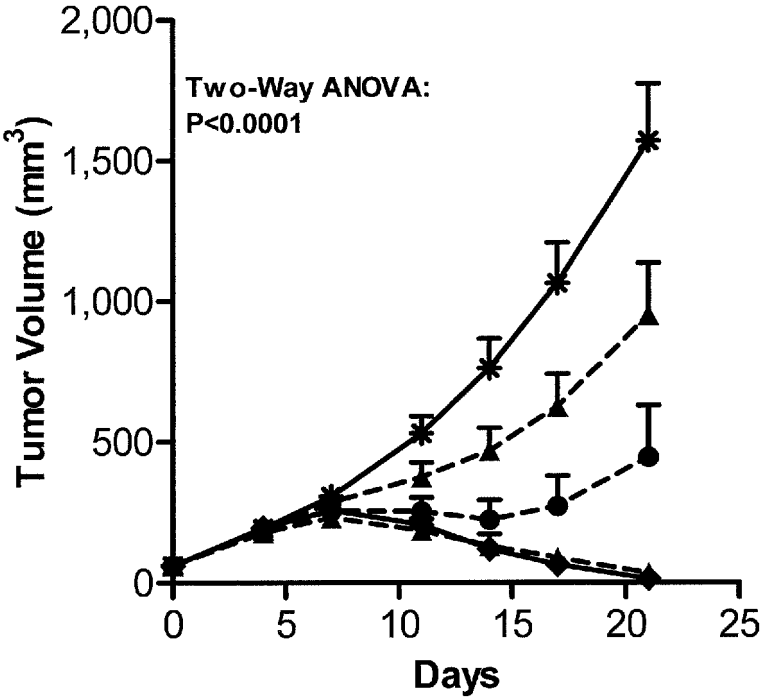

2,000
1,500
1,000
500
0
Tumor Volume (mm3)
Two-Way ANOVA:
P<0.0001
0
5
10
15
20
25
Days

FIG. 11

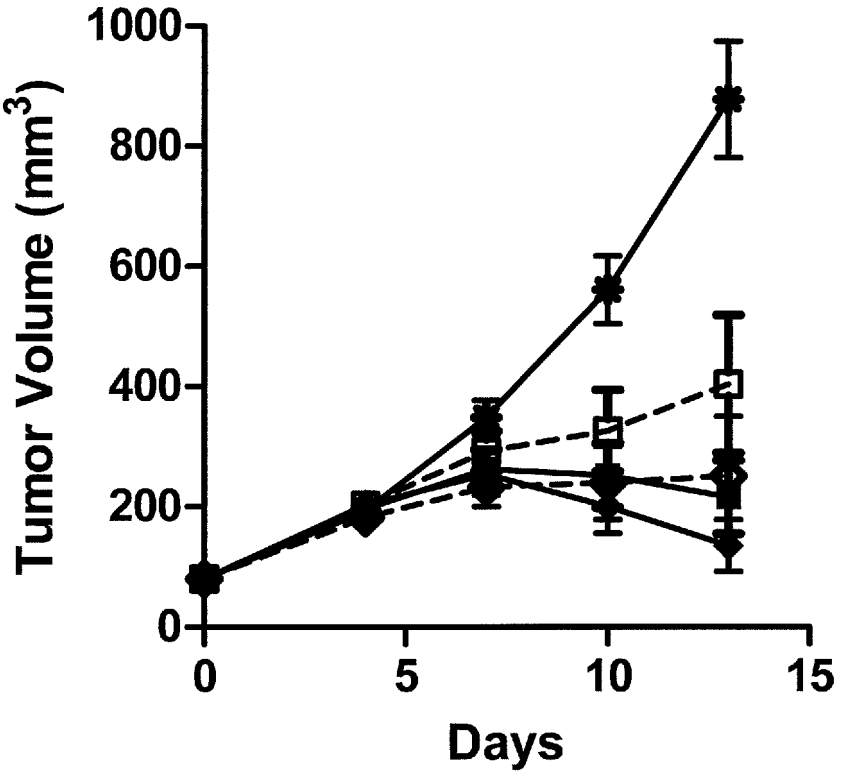


FIG. 12A

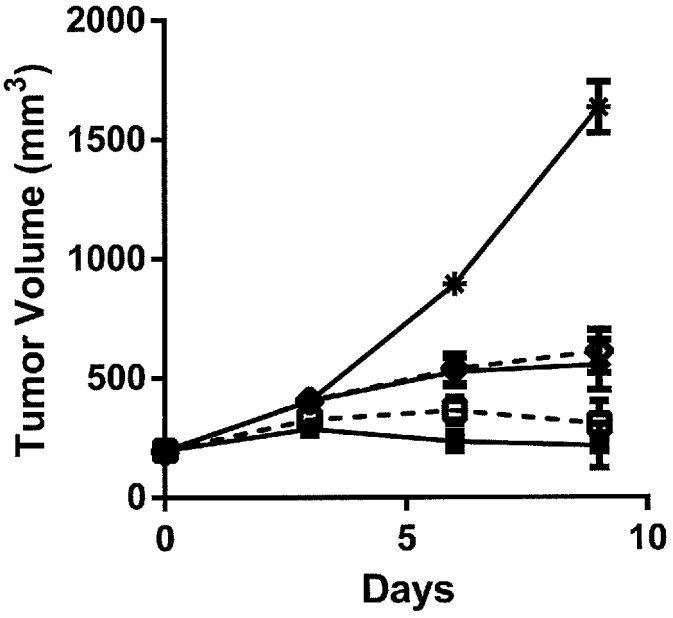


FIG. 12B

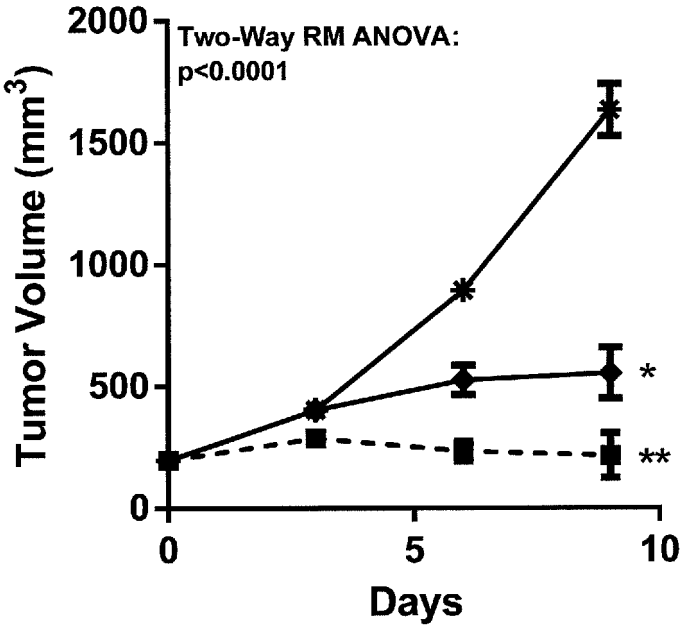


FIG. 12C

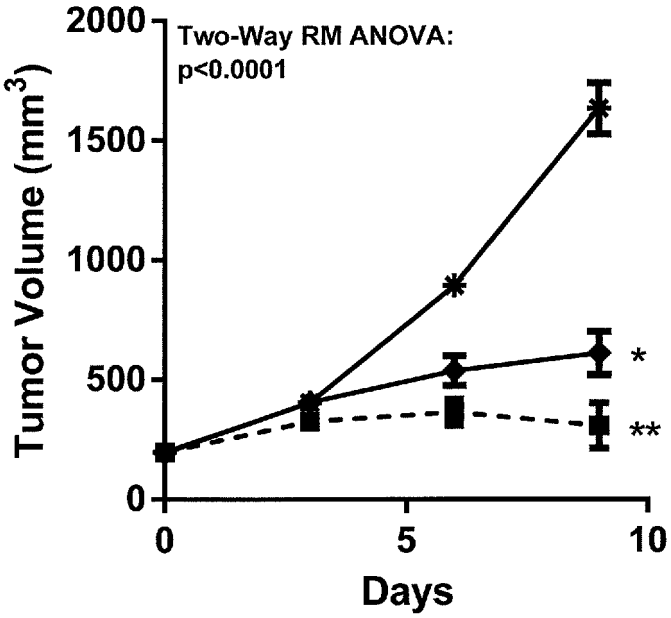

Two-Way RM ANOVA:
p<0.0001
Tumor Volume (mm3)
2000
1500
1000
500
0
0
5
10
Days
*
**

FIG. 13A

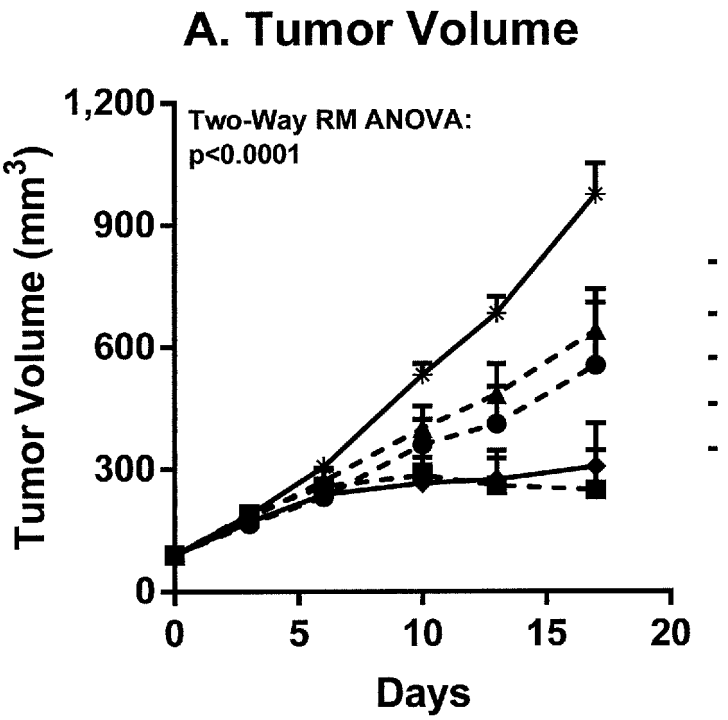

A. Tumor Volume
Two-Way RM ANOVA:
p<0.0001
Tumor Volume (mm3)
1,200
900
600
300
0
0
5
10
15
20
Days

FIG. 13B

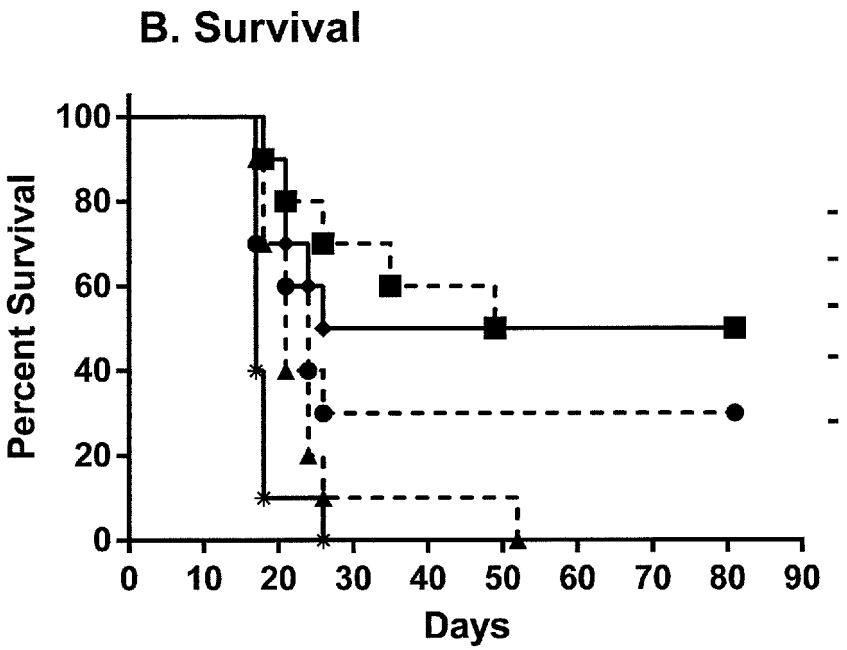

B. Survival
Percent Survival
100
80
60
40
20
0
0 10 20 30 40 50 60 70 80 90
Days

FIG. 14A

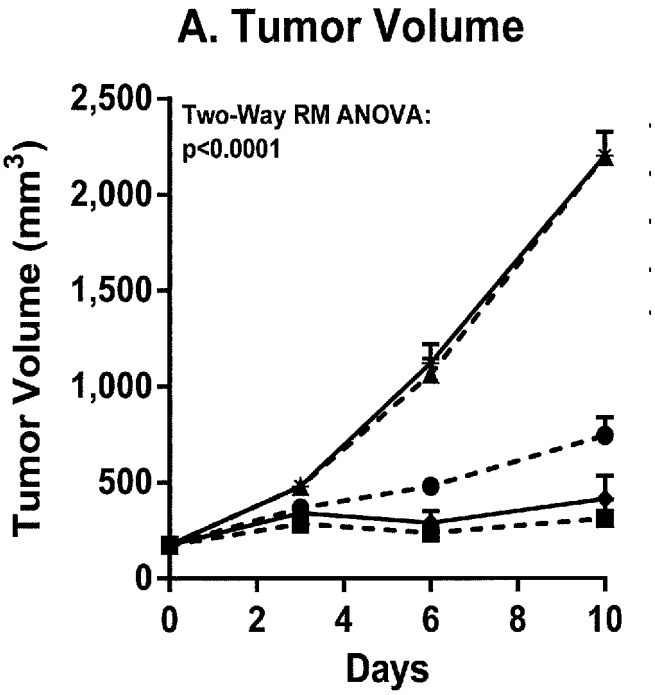

A. Tumor Volume
Two-Way RM ANOVA:
p<0.0001
Tumor Volume (mm3)
2,500
2,000
1,500
1,000
500
0
0
2
4
6
8
10
Days

FIG. 14B

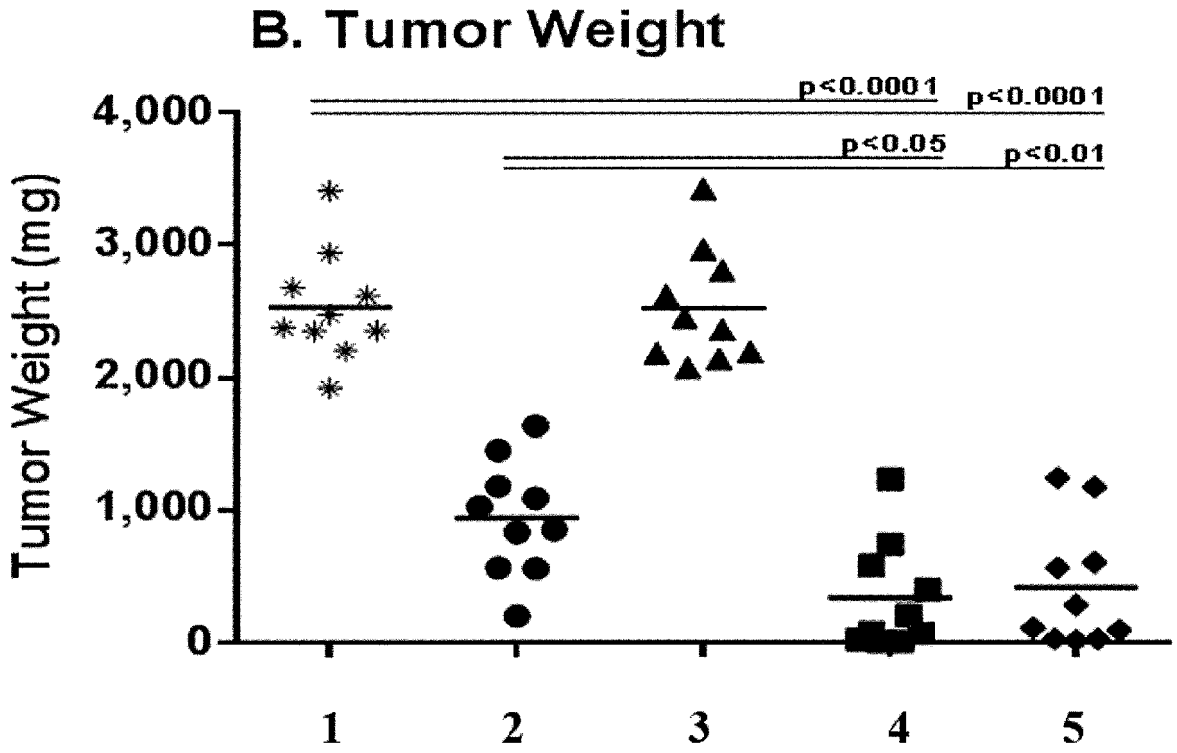

B. Tumor Weight
p<0.0001
p<0.0001
p<0.05
p<0.01
Tumor Weight (mg)
4,000
3,000
2,000
1,000
0
1
2
3
4
5

FIG. 15

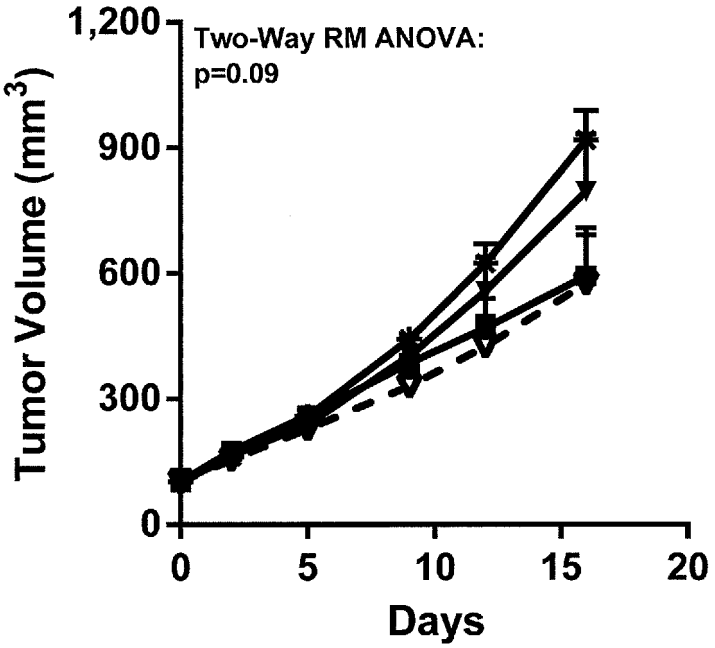

Two-Way RM ANOVA:
p=0.09
Tumor Volume (mm3)
1,200
900
600
300
0
0
5
10
15
20
Days

FIG. 16

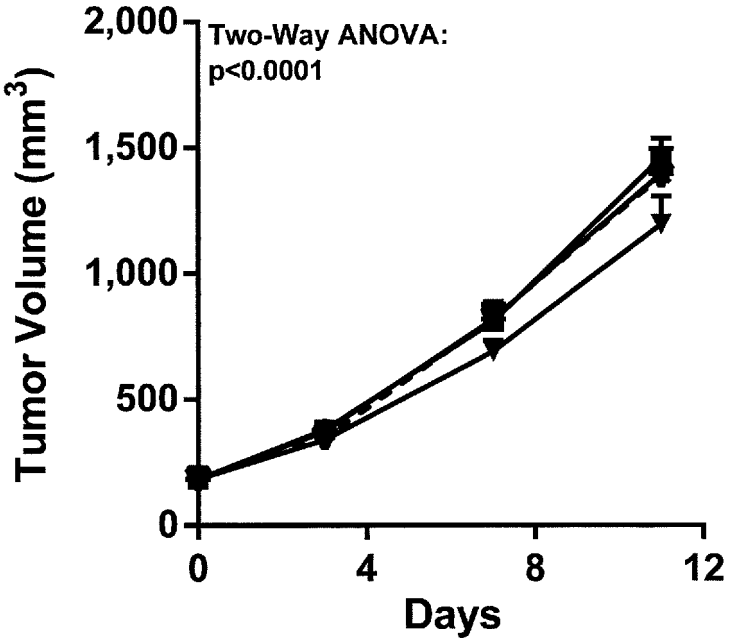

Two-Way ANOVA:
p<0.0001
Tumor Volume (mm3)
2,000
1,500
1,000
500
0
0
4
8
12
Days

FIG. 17

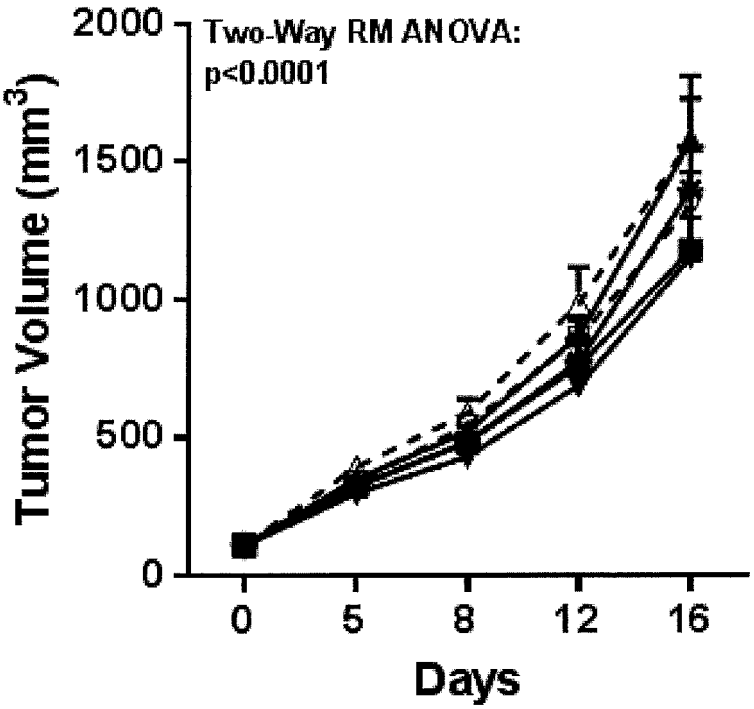

Two-Way RM ANOVA:
p<0.0001
Tumor Volume (mm3)
2000
1500
1000
500
0
0
5
8
12
16
Days

FIG. 18

