

Human PD-1 HEK 293 cells

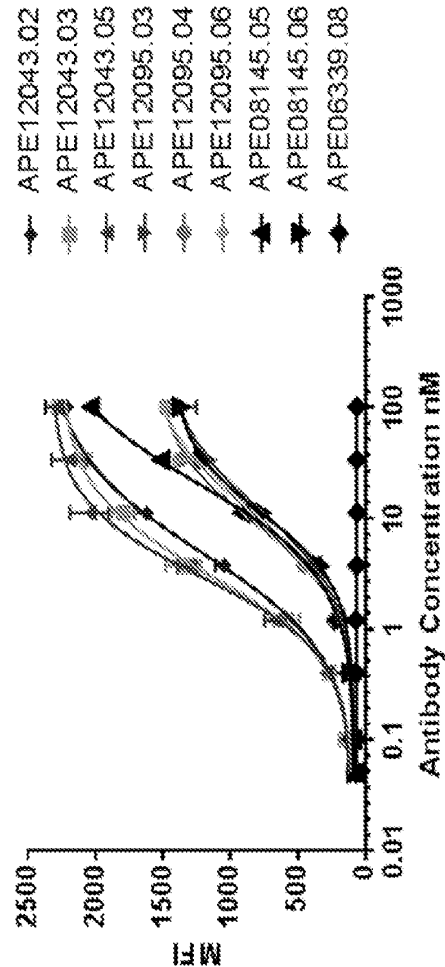


Figure 1

Cynomolgus Monkey PD-1 HEK 293 cells

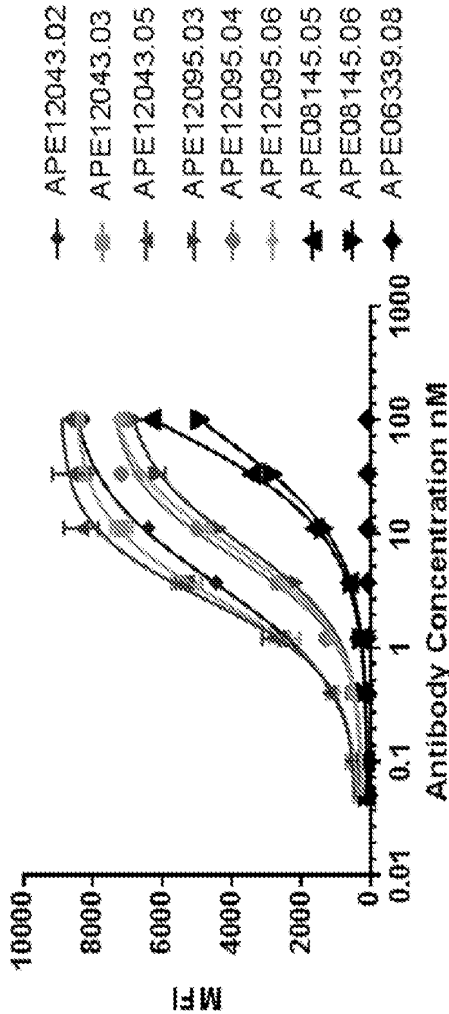


Figure 2

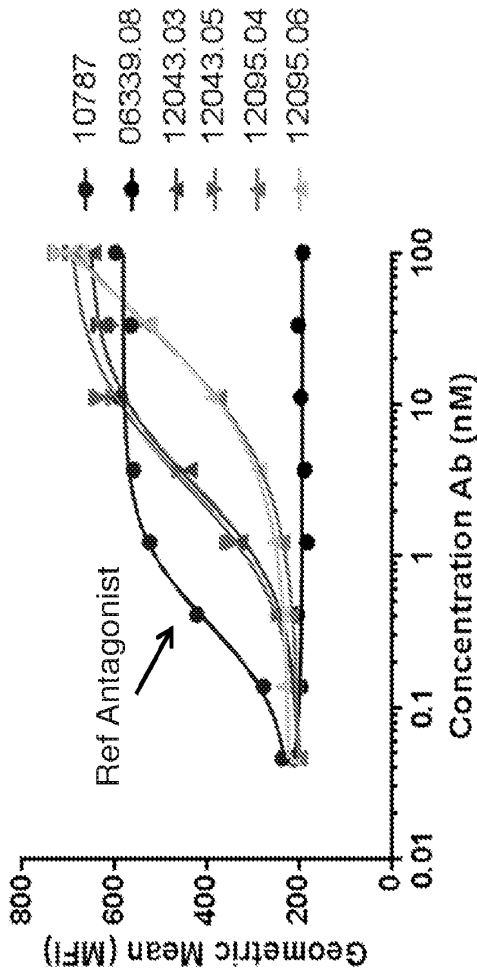


Figure 3

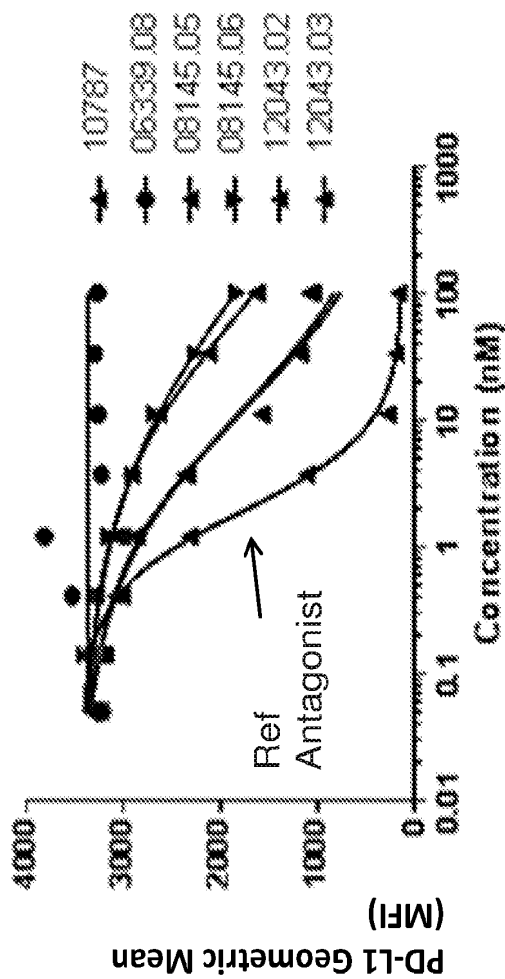


Figure 4

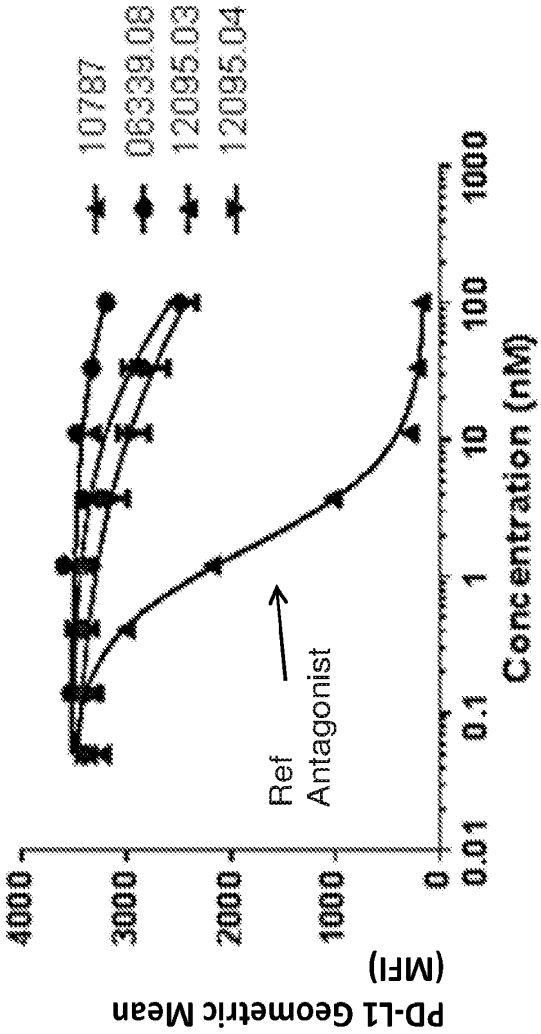


Figure 5

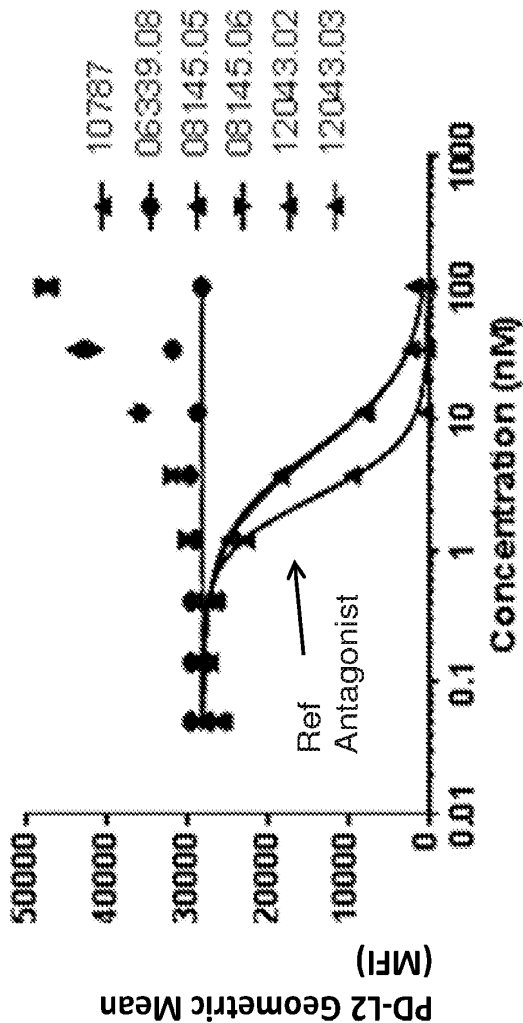


Figure 6

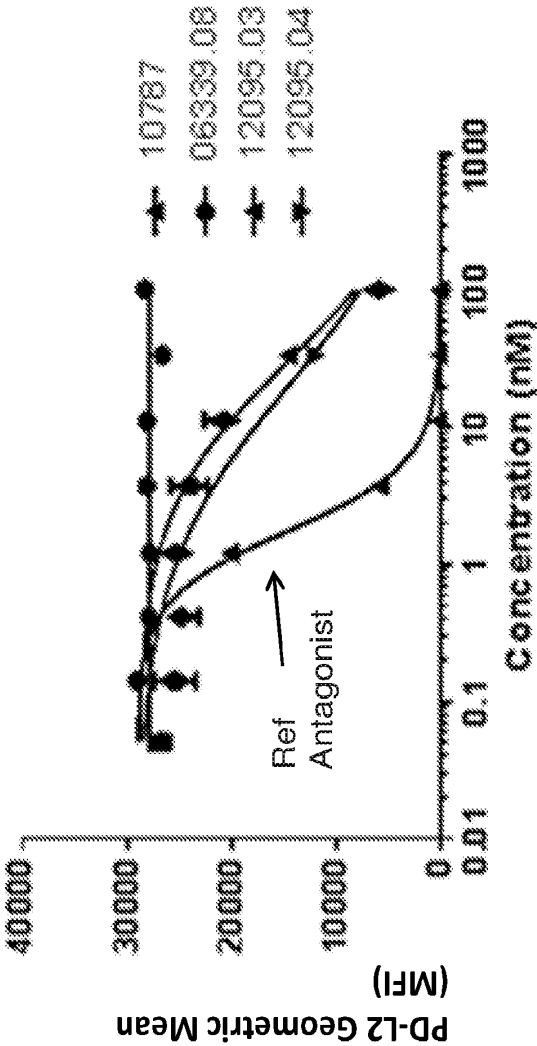


Figure 7

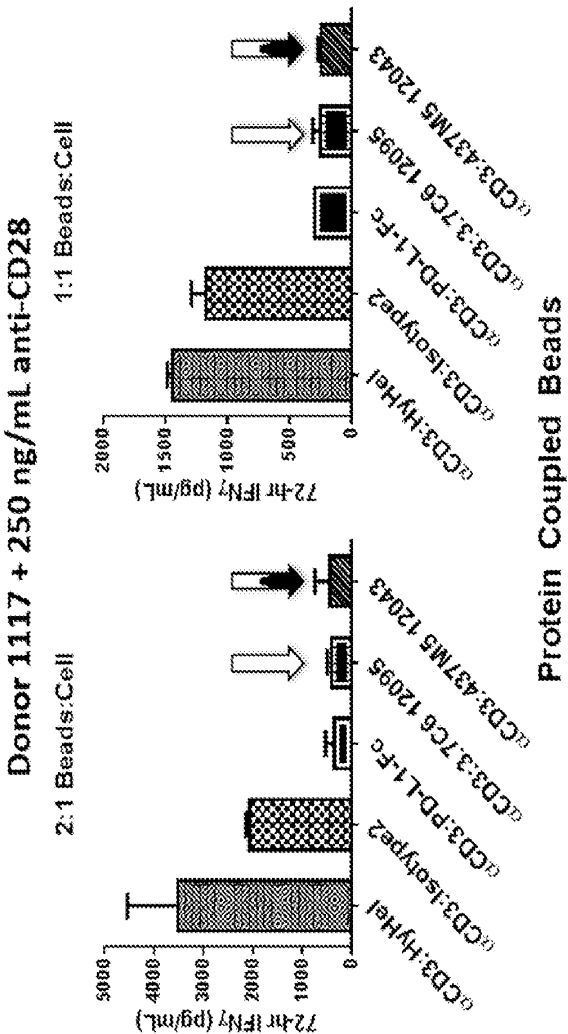


Figure 8B

Figure 8A

Donor 1118

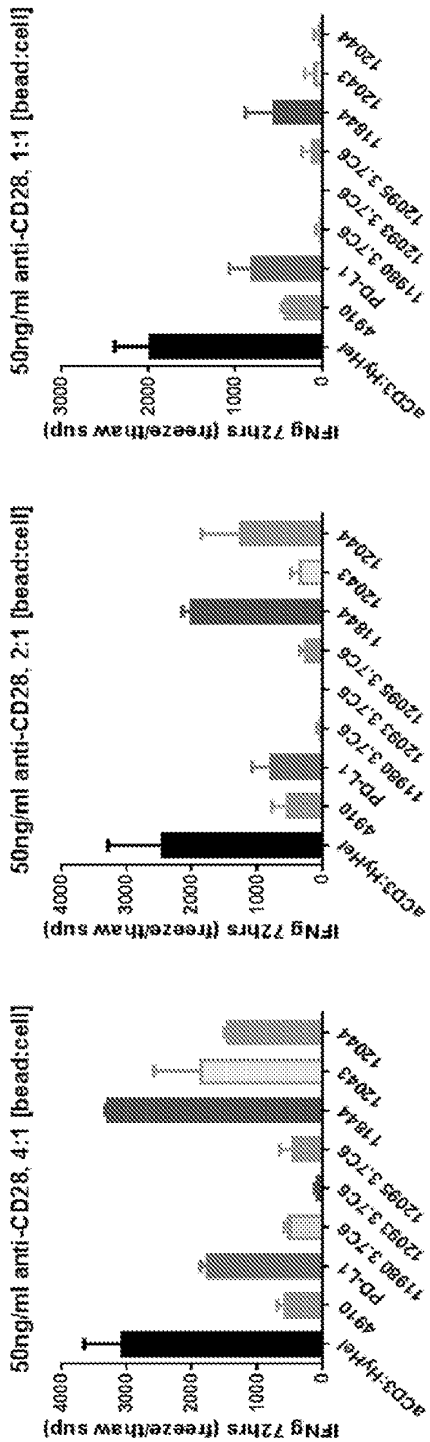


Figure 9A

Figure 9B

Figure 9C

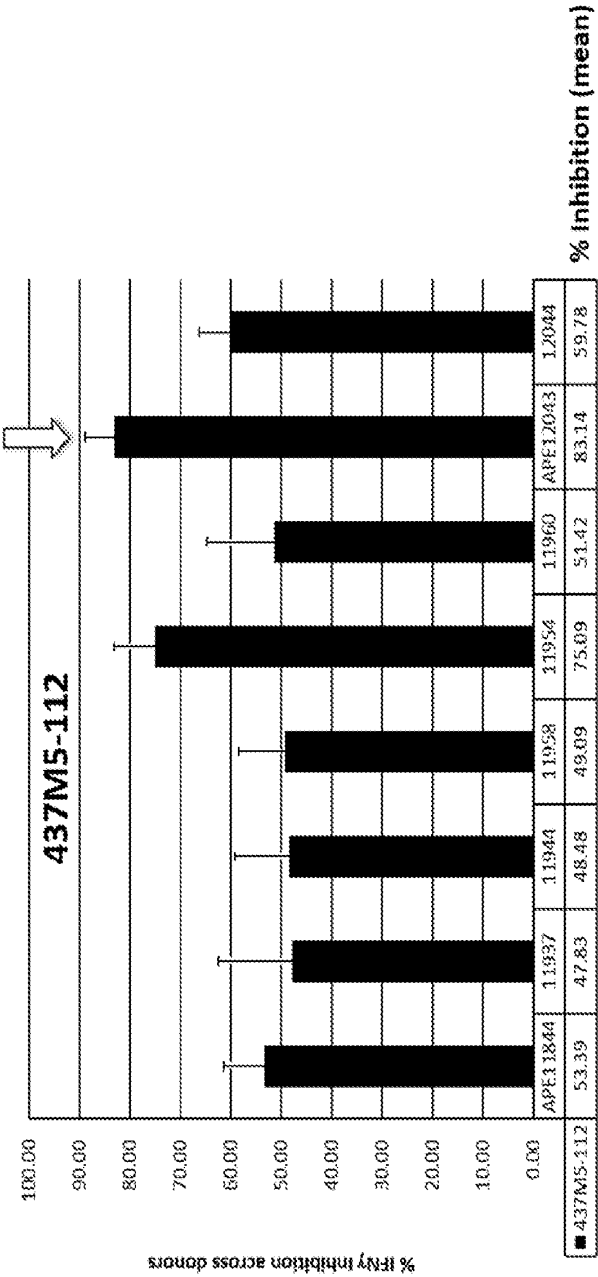


Figure 10A

437M5-112	Description	% IFN γ Inhibition		Donors (N)
		Mean	+/- SEM	
APE11844	CDR-grafted 437M5-112 R71A,T73K,I75S/Parental	53.39	$\pm$ 7.92	8
APE11937	437M5-112 N31S,T33S,R71A,T73K,I75S,G99R/parental	47.83	$\pm$ 14.72	3
APE11944	437M5-112 N31S,T33S,R71A,T73K,I75S,G99R,V100cA/parental	48.48	$\pm$ 10.61	3
APE11954	437M5-112 N31S,R71A,T73K,I75S,G99R/parental	75.09	$\pm$ 7.91	3
APE11958	437M5-112 N31D,Y32H,R71A,T73K,I75S,G99R/parental	49.09	$\pm$ 9.38	4
APE11960	437M5-112 N31D,Y32H,M34L,R71A,T73K,I75S,G99R,V100cA/parental	51.42	$\pm$ 13.29	3
APE12043	437M5-112; N31S,T33S,R71A,T73K,I75S,G99R/Y32F	83.14	$\pm$ 5.72	7

Figure
10B

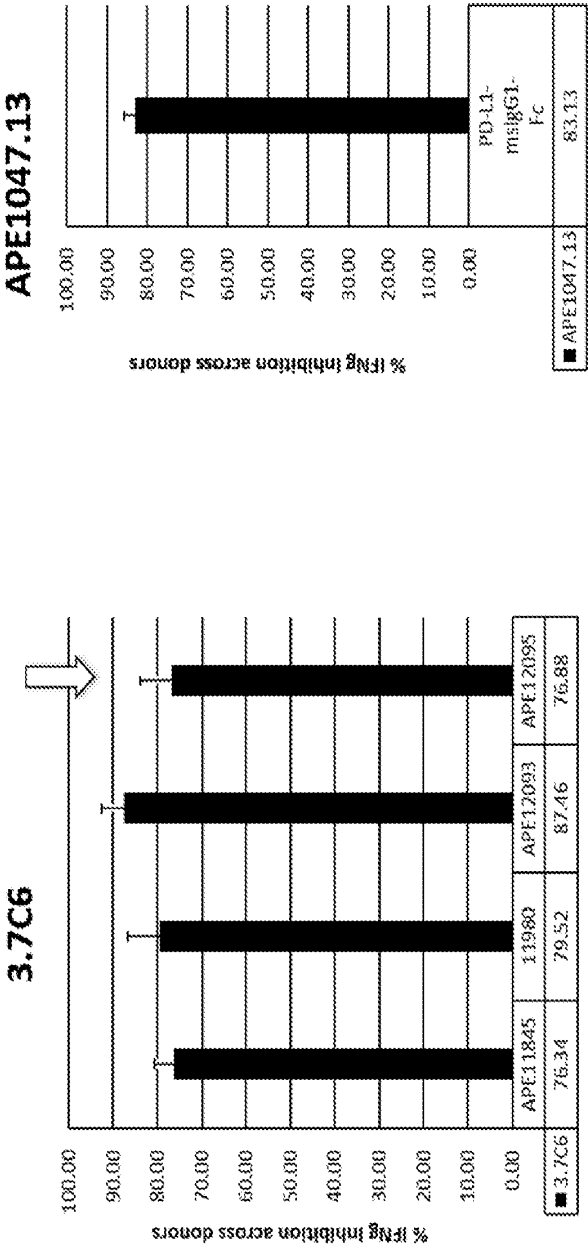


Figure 11B

Figure 11A

13/44

3.7C6	Description	% IFN γ Inhibition Mean $\pm$ SEM	Donors (N)
APE11845	CDR-grafted 3.7C6 V68A/Parental	76.34 $\pm$ 4.34	4
APE11980	3.7C6 V68A/G100Q,K103R,V104L	79.52 $\pm$ 7.09	4
APE12093	3.7C6 A52aV,D62Q,V68A/G100Q,K103R,V104L	87.46 $\pm$ 5.16	4
APE12095	3.7C6 A52aI,D62Q,V68Q/parental	76.88 $\pm$ 7.00	6
APE1047.13	PD-L1-mslgG1-fc	83.13 $\pm$ 2.79	10

Figure
11C

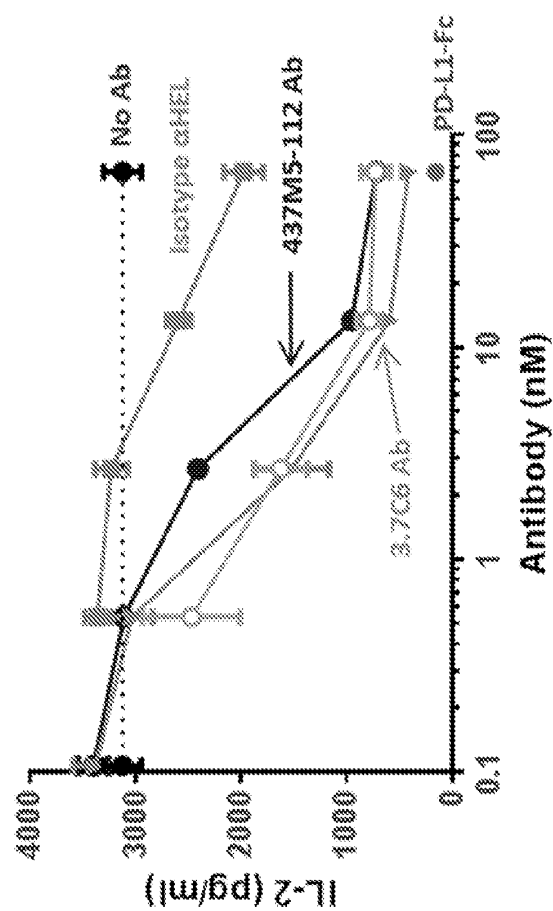


Figure 12A

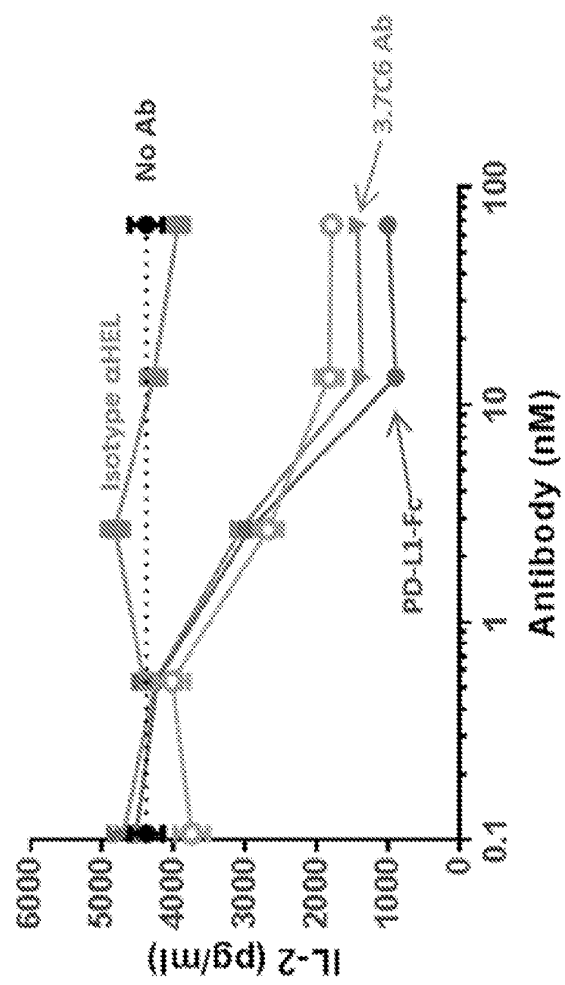


Figure 12B

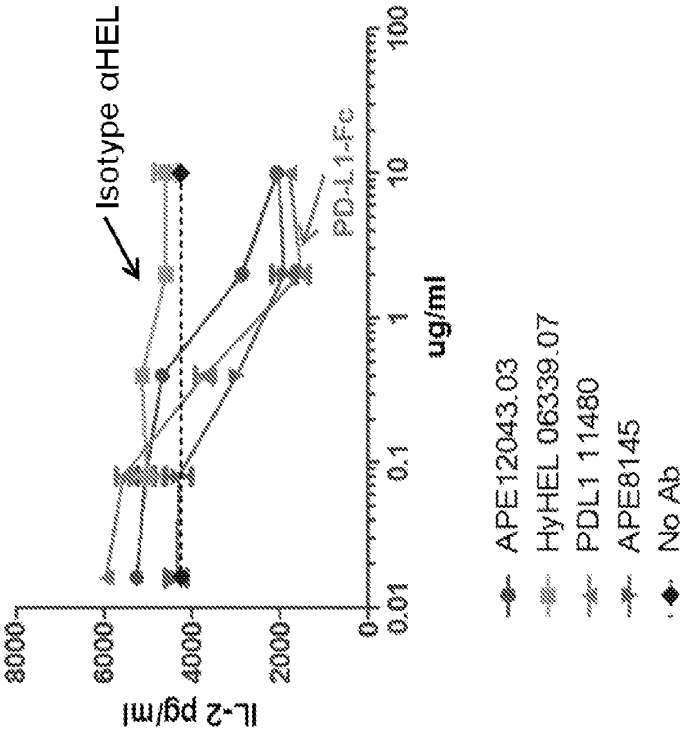


Figure 13A

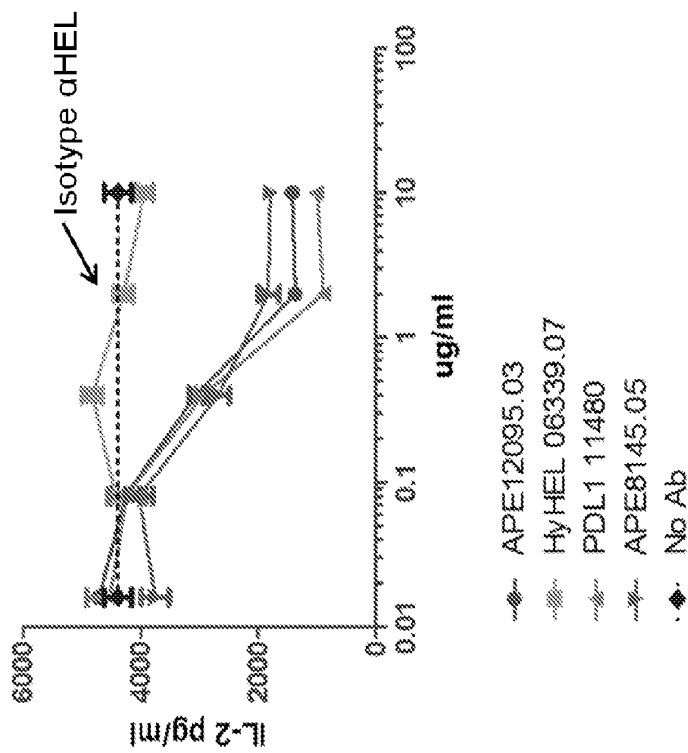


Figure 13B

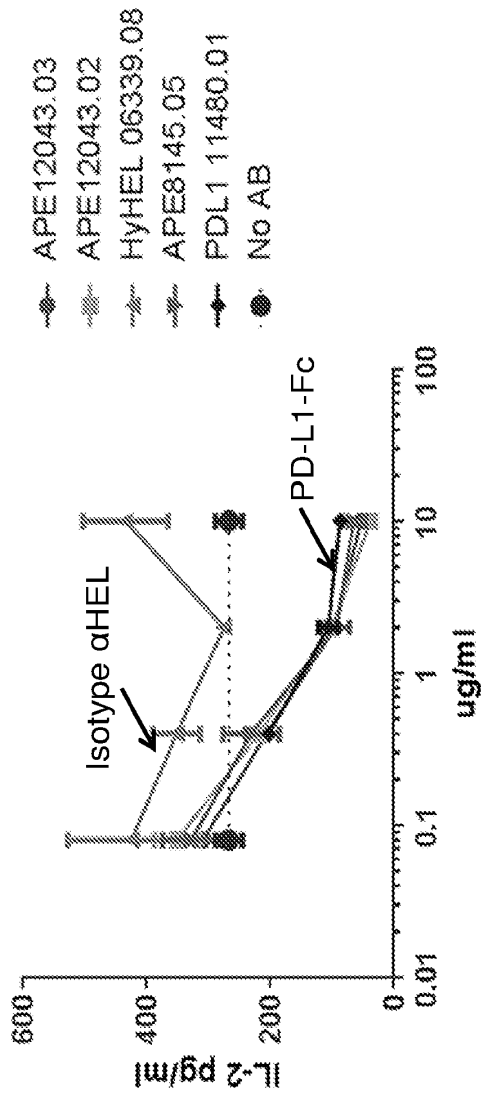


Figure 14A

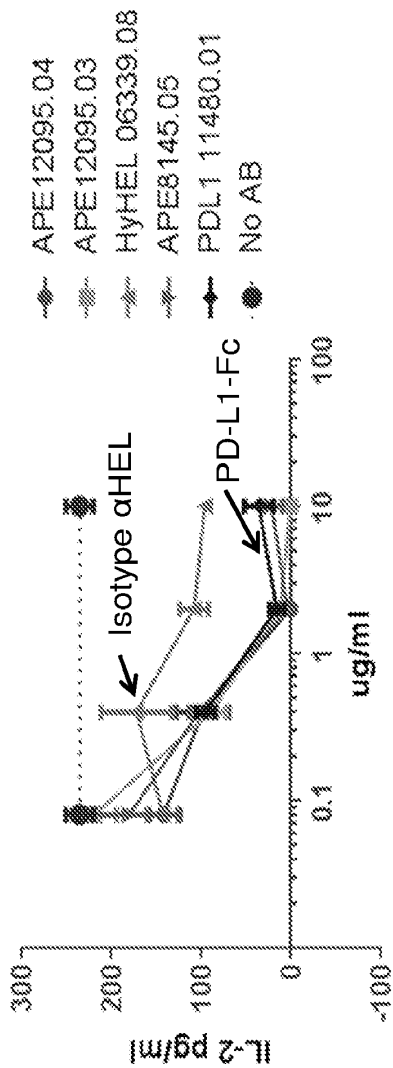


Figure 14B

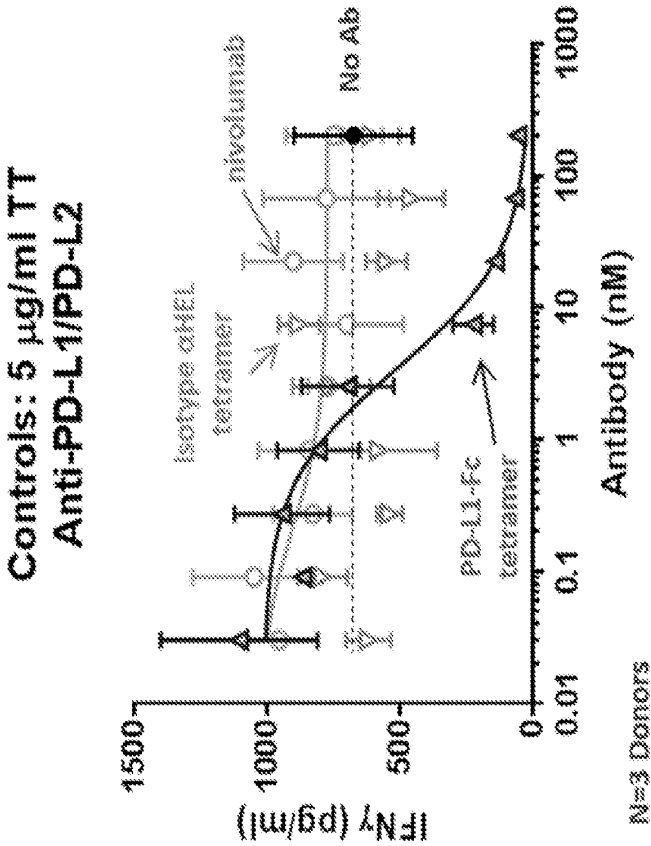


Figure
15A

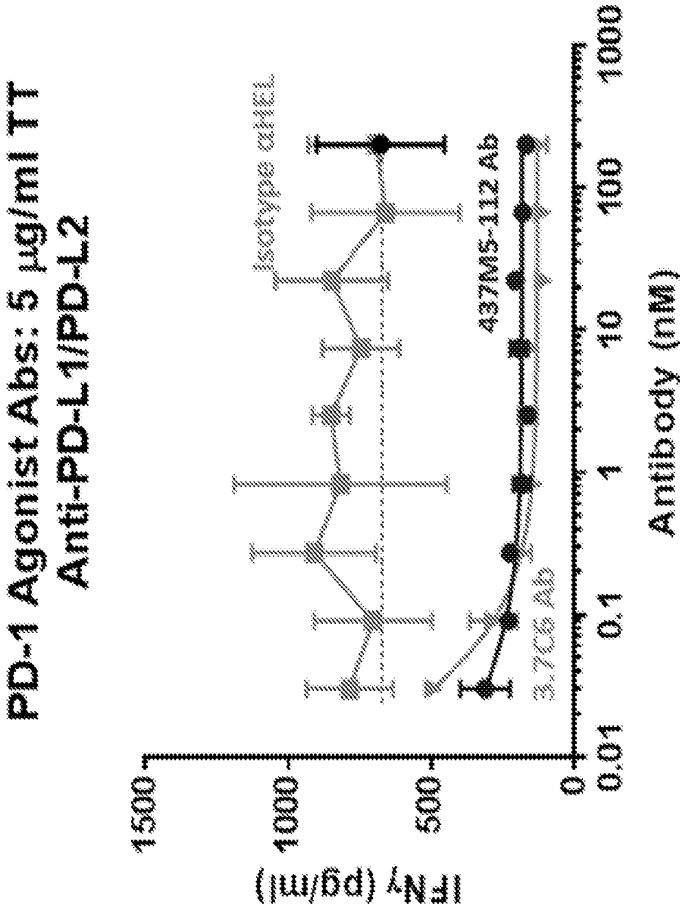


Figure
15B

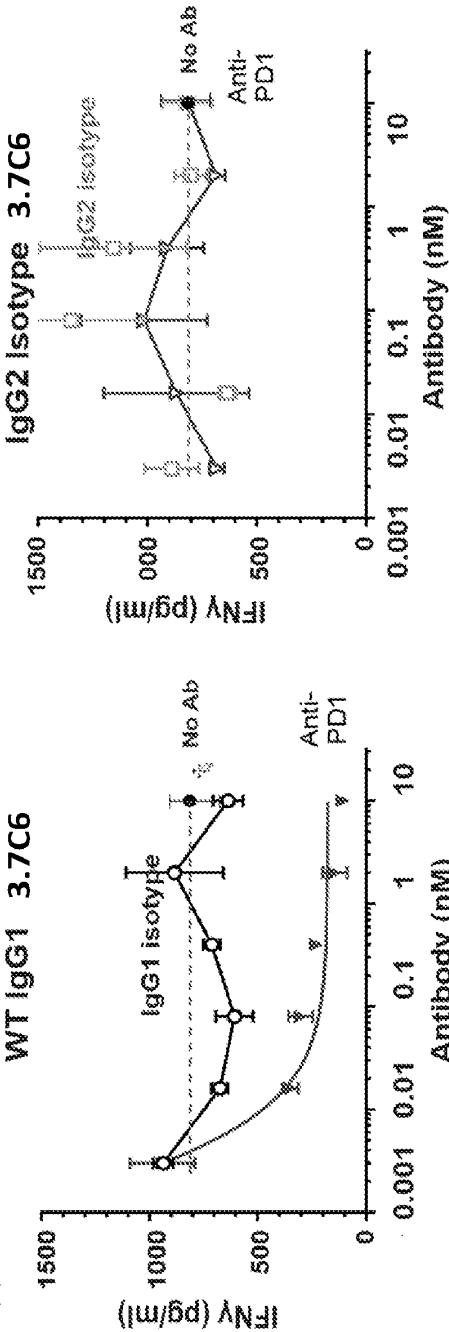


Figure 15D

Figure 15C

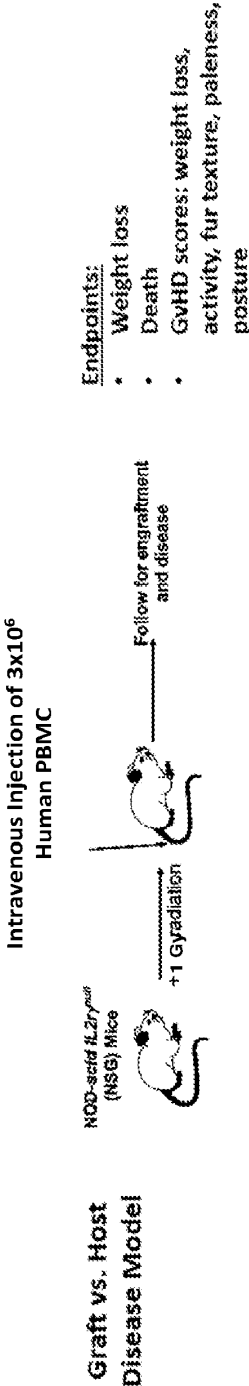


Figure 16A

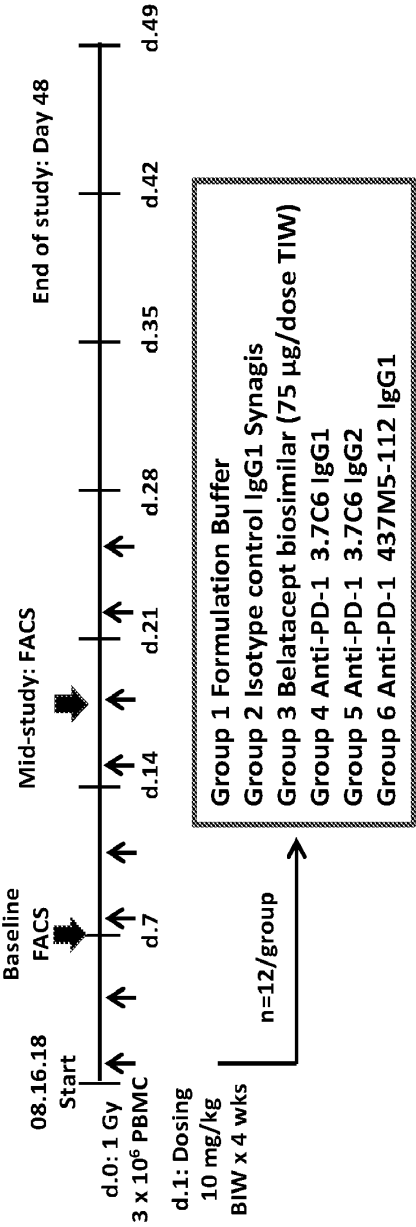


Figure 16B

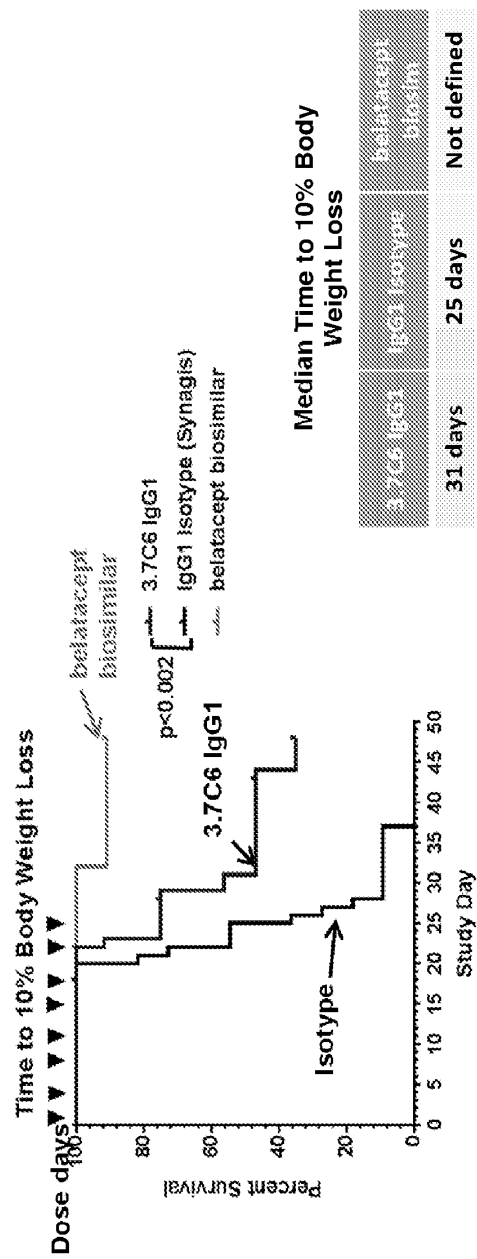


Figure 16C

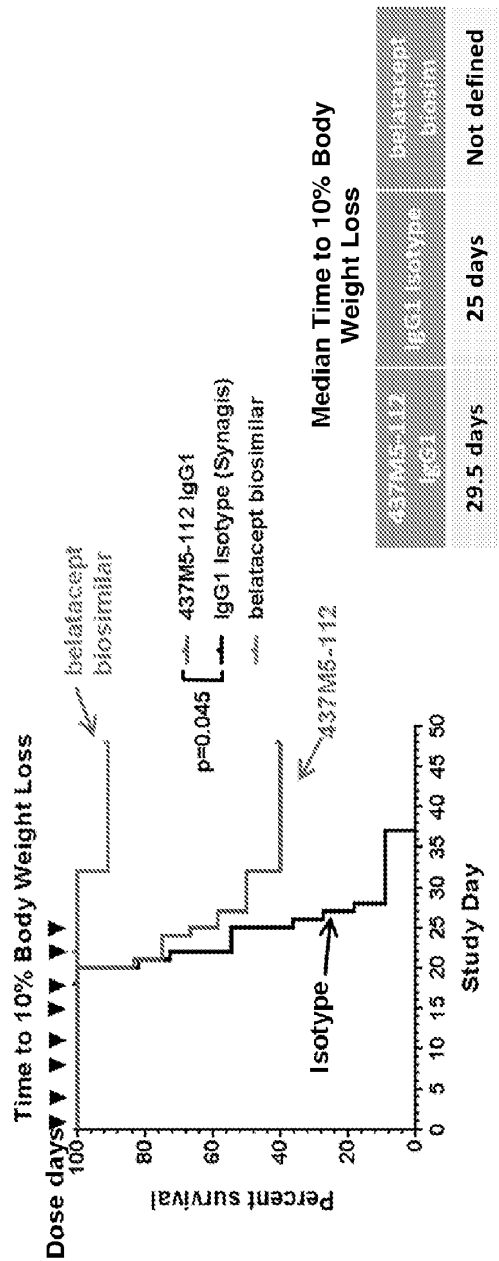


Figure 16D

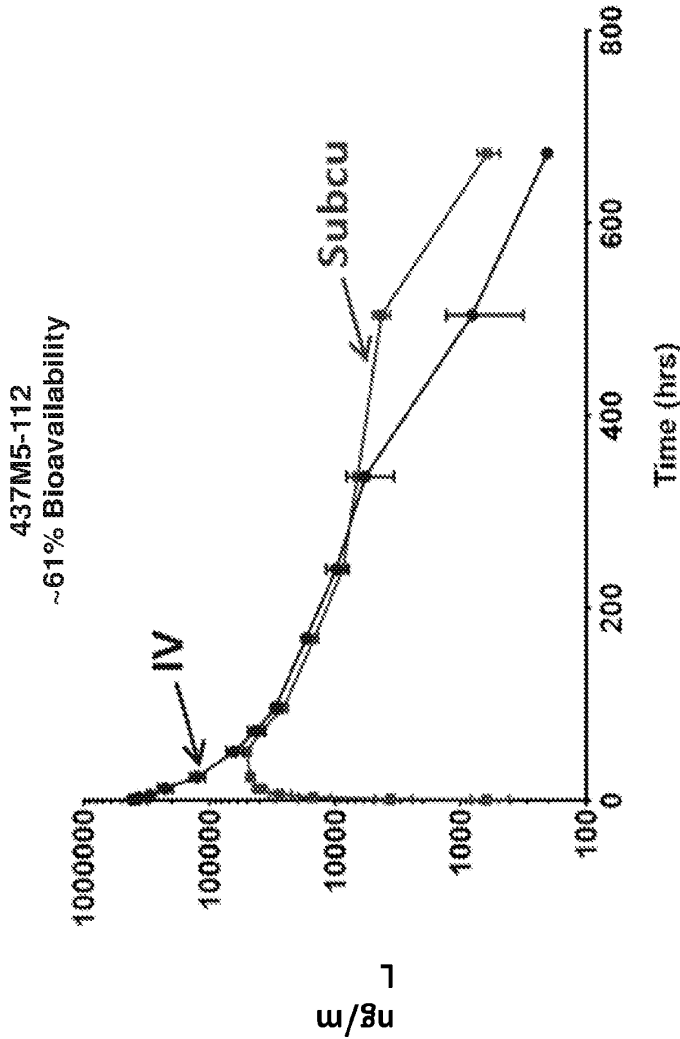


Figure
17A

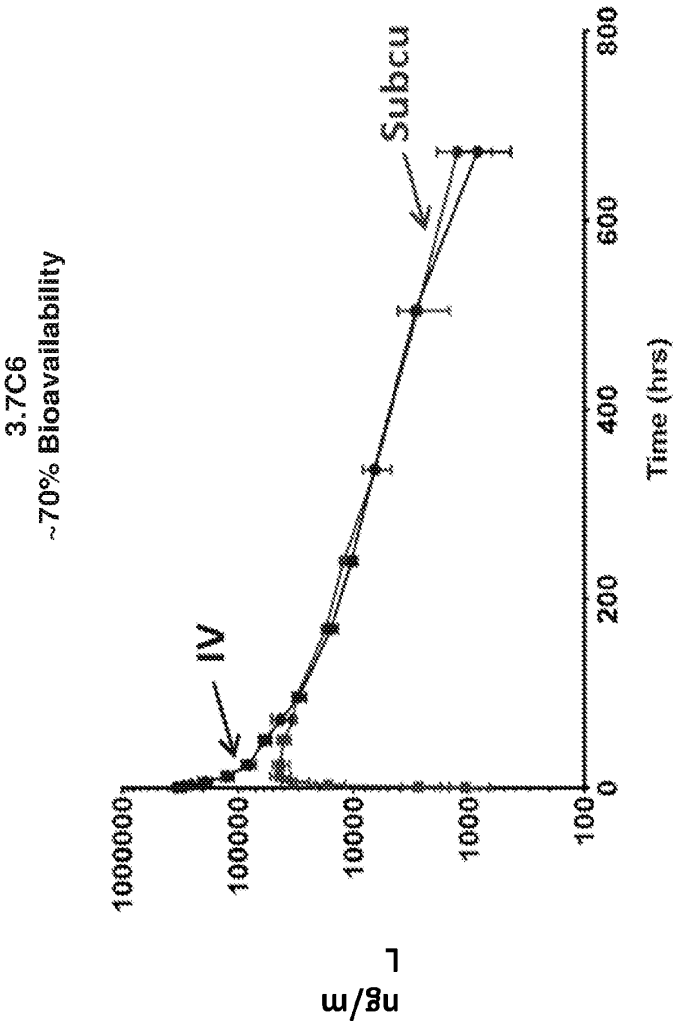


Figure
17B

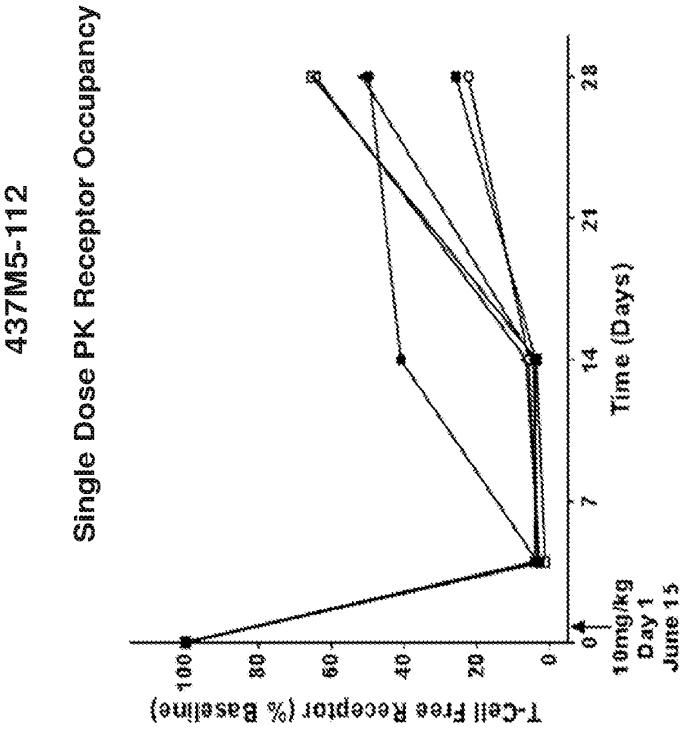


Figure 18A

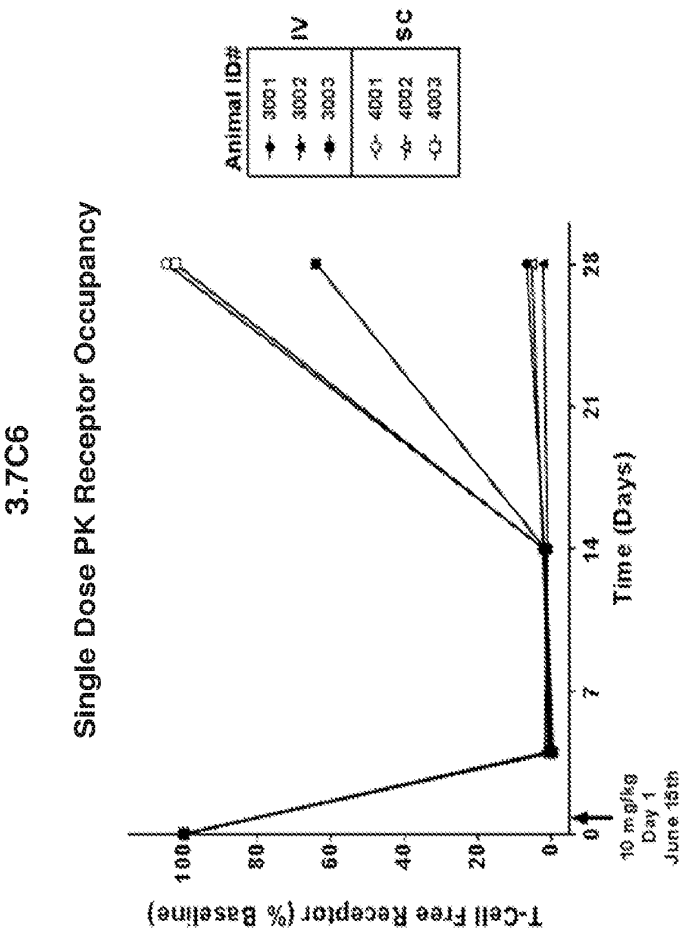


Figure
18B

3.7C6 Antibody Induces SHP2 but not SHP1 Recruitment to PD-1
after Activation of Jurkat PD-1 Cells

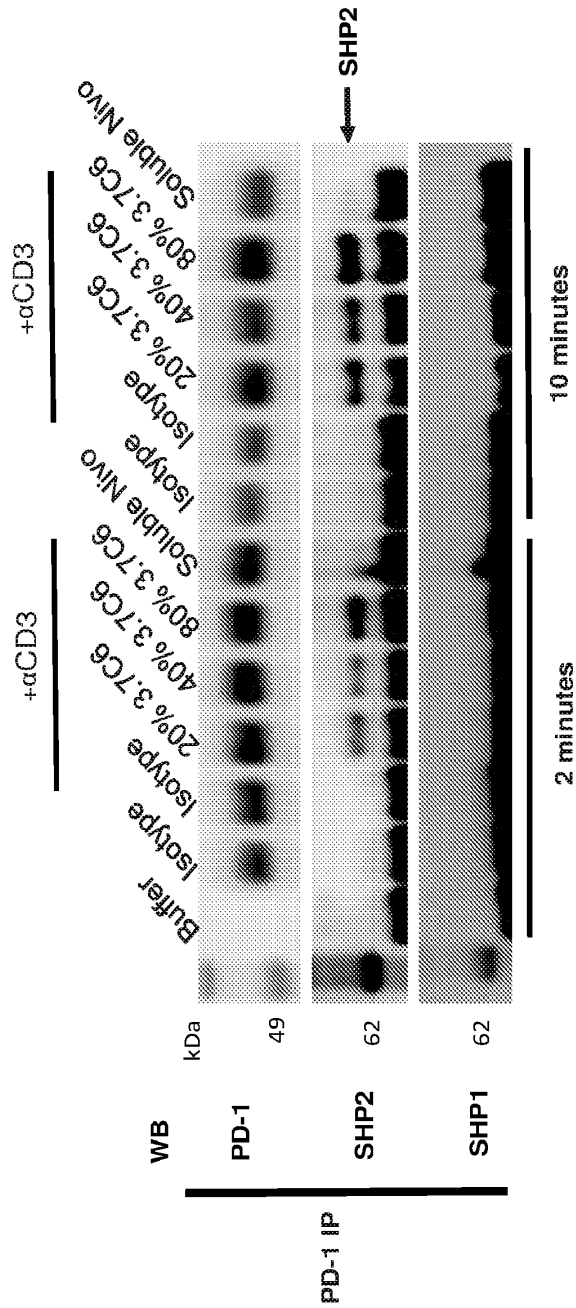


Figure 19A

3.7C6 Antibody Induces SHP2 but not SHP1 Recruitment to PD-1
after Activation of Jurkat PD-1 Cells

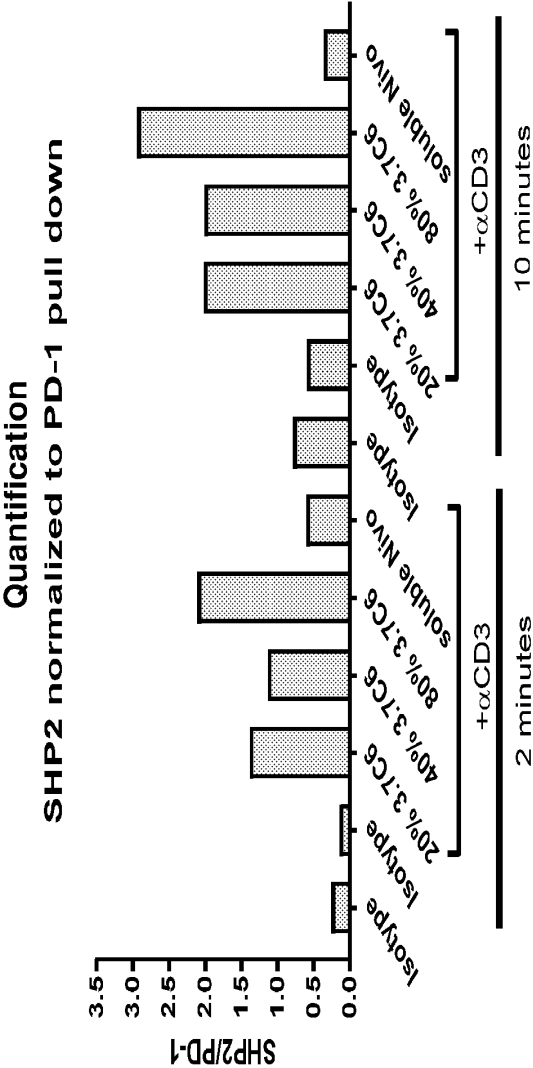


Figure
19B

Mapping of the Epitope on PD-1 Bound by the 3.7C6 Antibody by Hydrogen/Deuterium Exchange and PD-1 Mutational Analyses

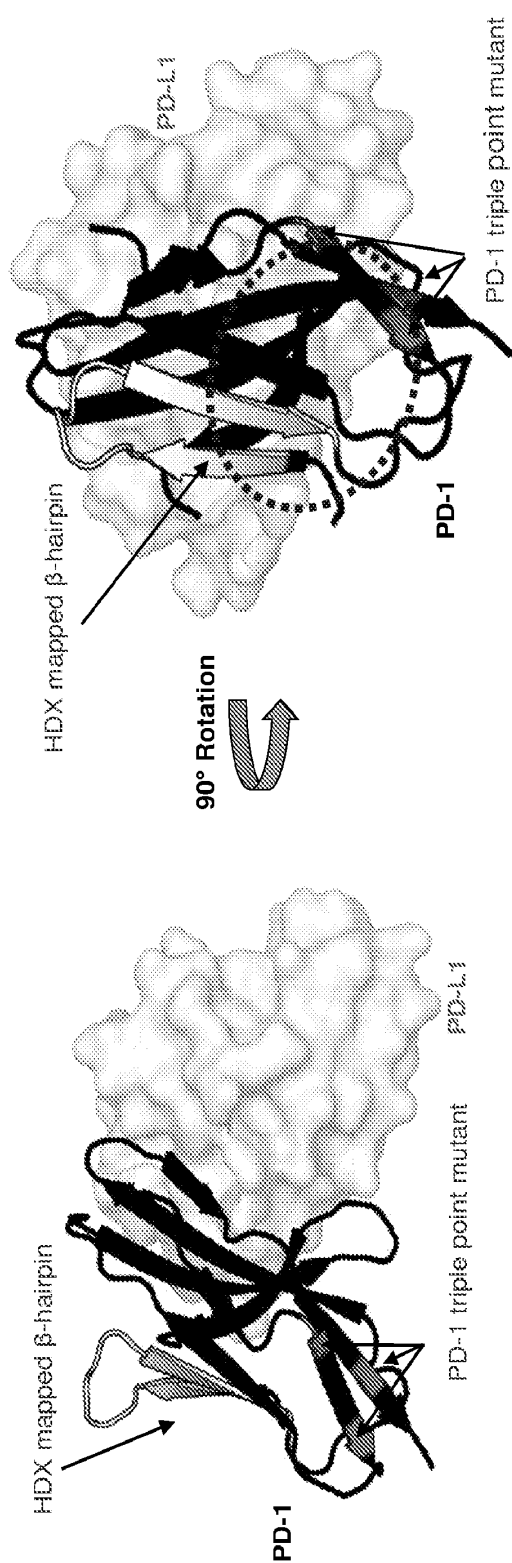


Figure
20A

Figure 20B

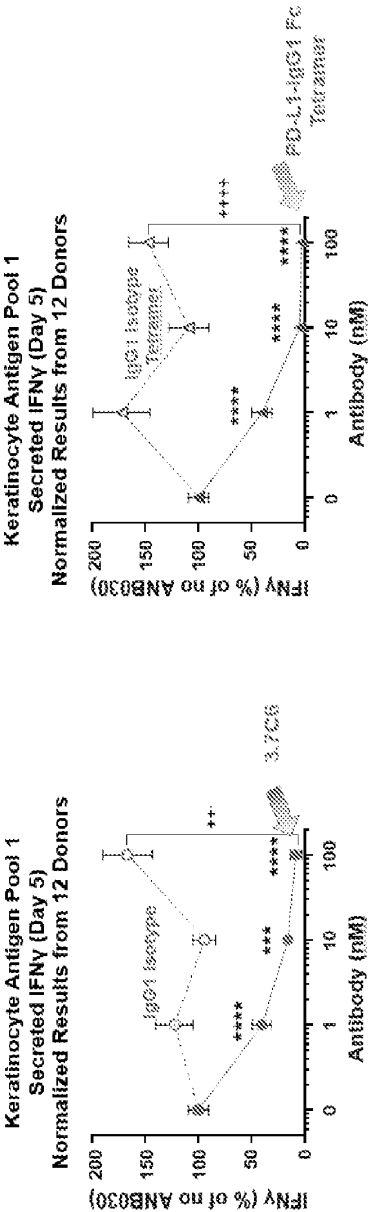


Figure 21B

Figure 21A

Keratinocyte Antigen Pool 1
Number of IFN γ SFCs (Day 5 + 20 hours)
Normalized Results from 12 Donors

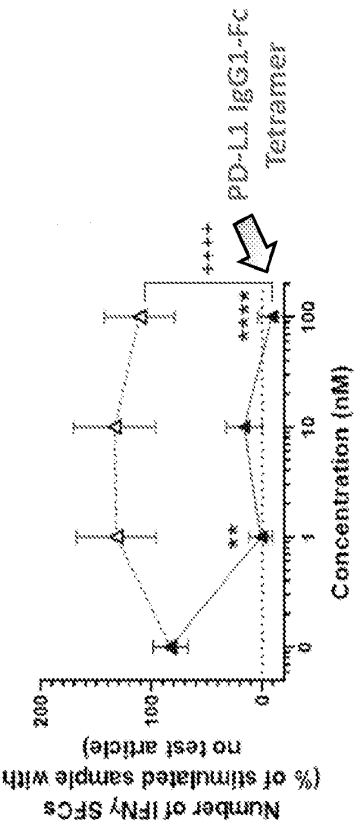


Figure 21D

Keratinocyte Antigen Pool 1
Number of IFN γ SFCs (Day 5 + 20 hours)
Normalized Results from 12 Donors

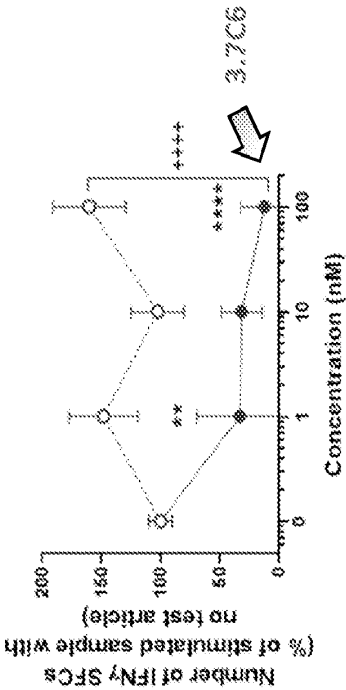


Figure 21C

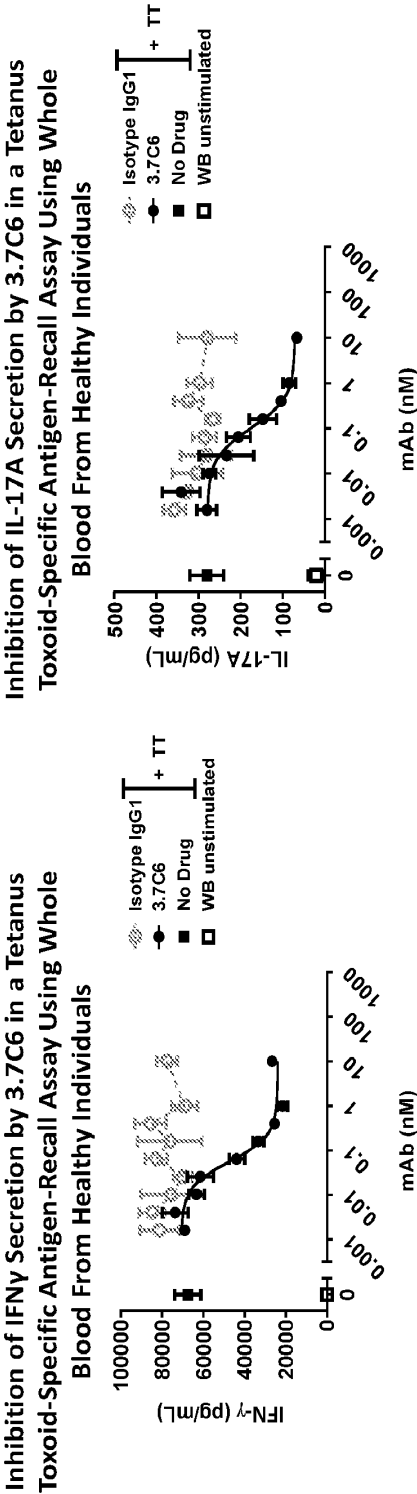


Figure 22B

Figure 22A

Melanocyte Antigen Pool 3
Secreted IFN γ (Day 5)
Normalized Results from 12 Donors

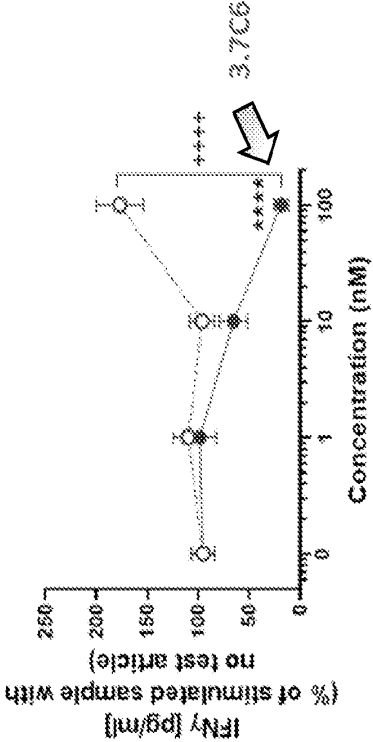


Figure 23A

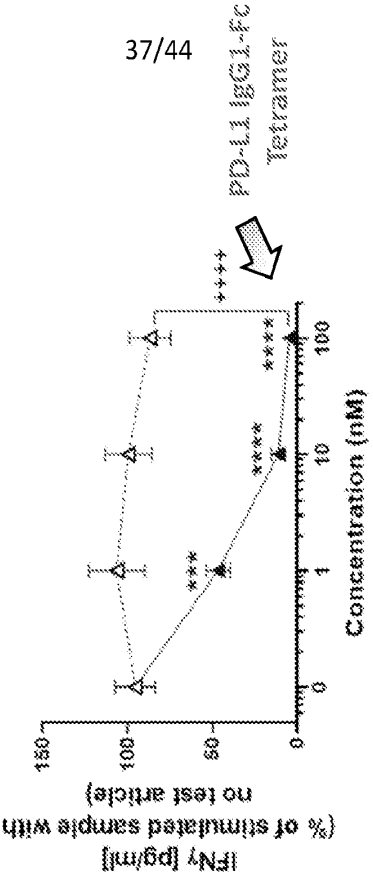


Figure 23B

Melanocyte Antigen Pool 3
Number of IFN γ SFCs (Day 5 + 20 hours)
Normalized Results from 12 Donors

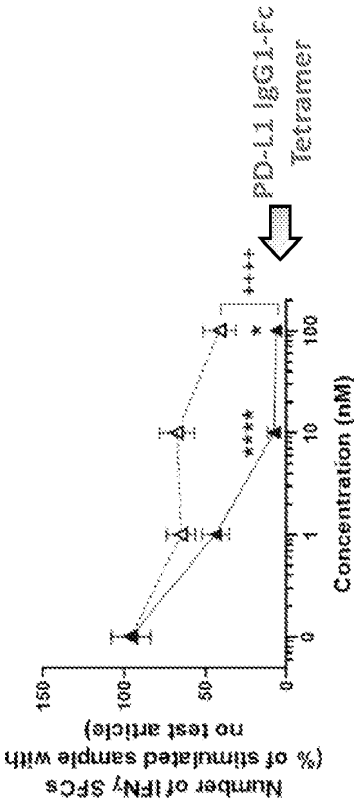


Figure 23D

Melanocyte Antigen Pool 3
Number of IFN γ SFCs (Day 5 + 20 hours)
Normalized Results from 12 Donors

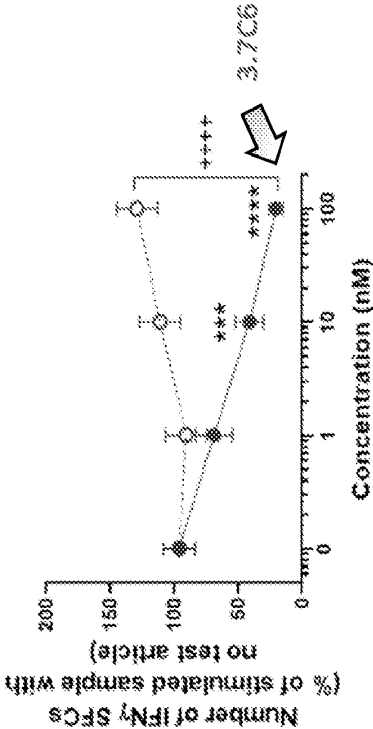
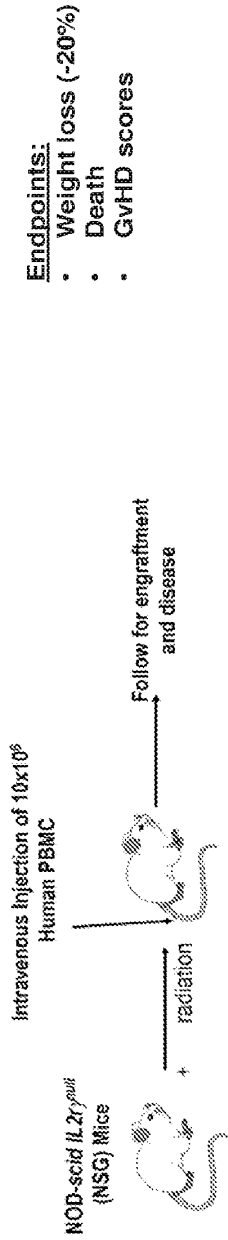


Figure 23C



- Endpoints:**
- Weight loss (~20%)
 - Death
 - GvHD scores

Figure 24A

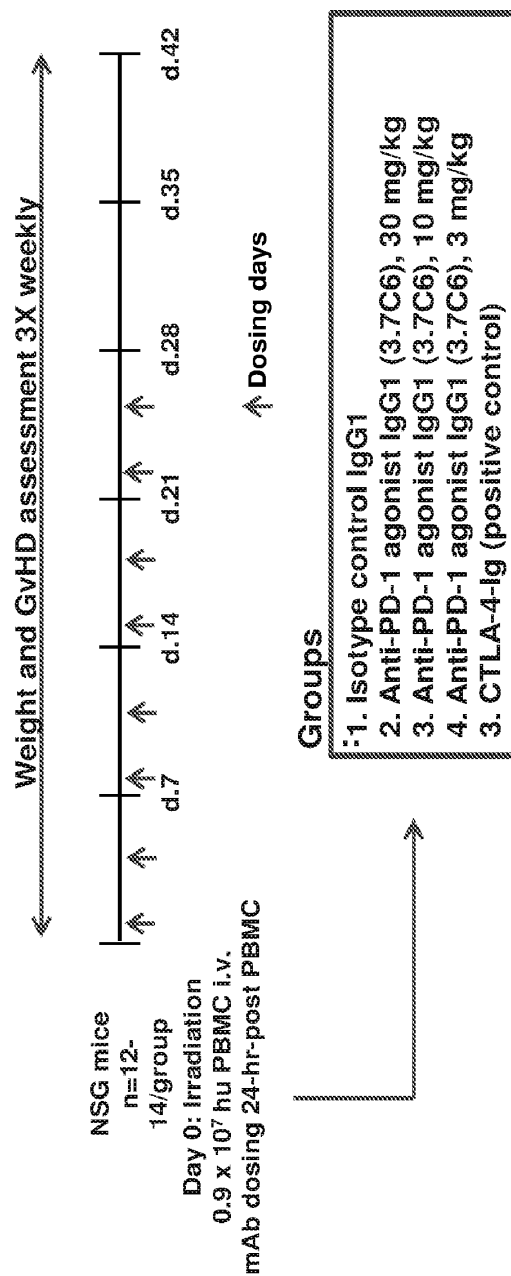


Figure 24B

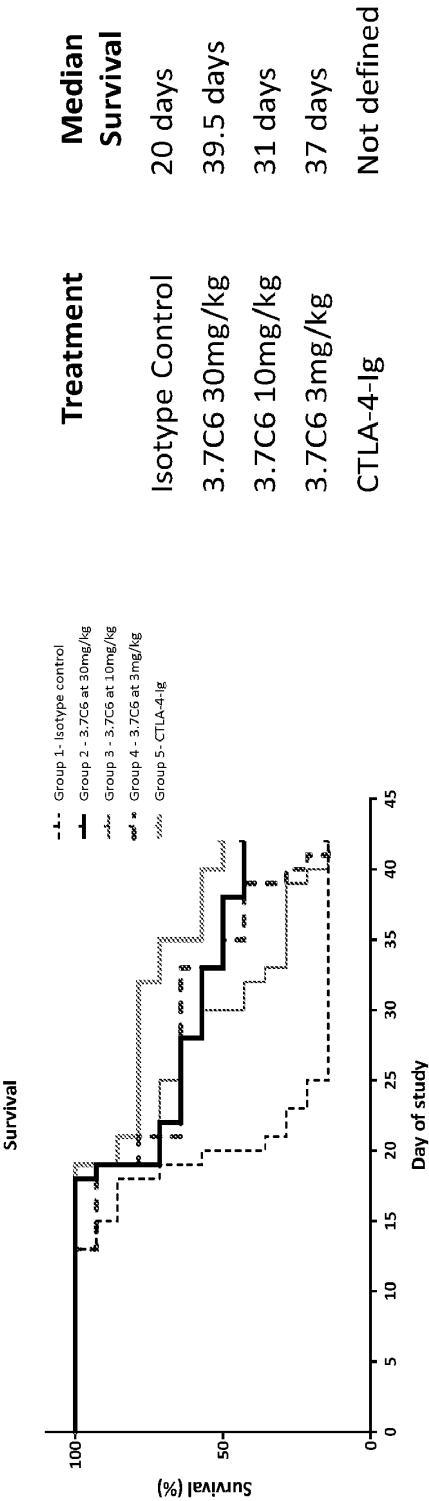


Figure 24C

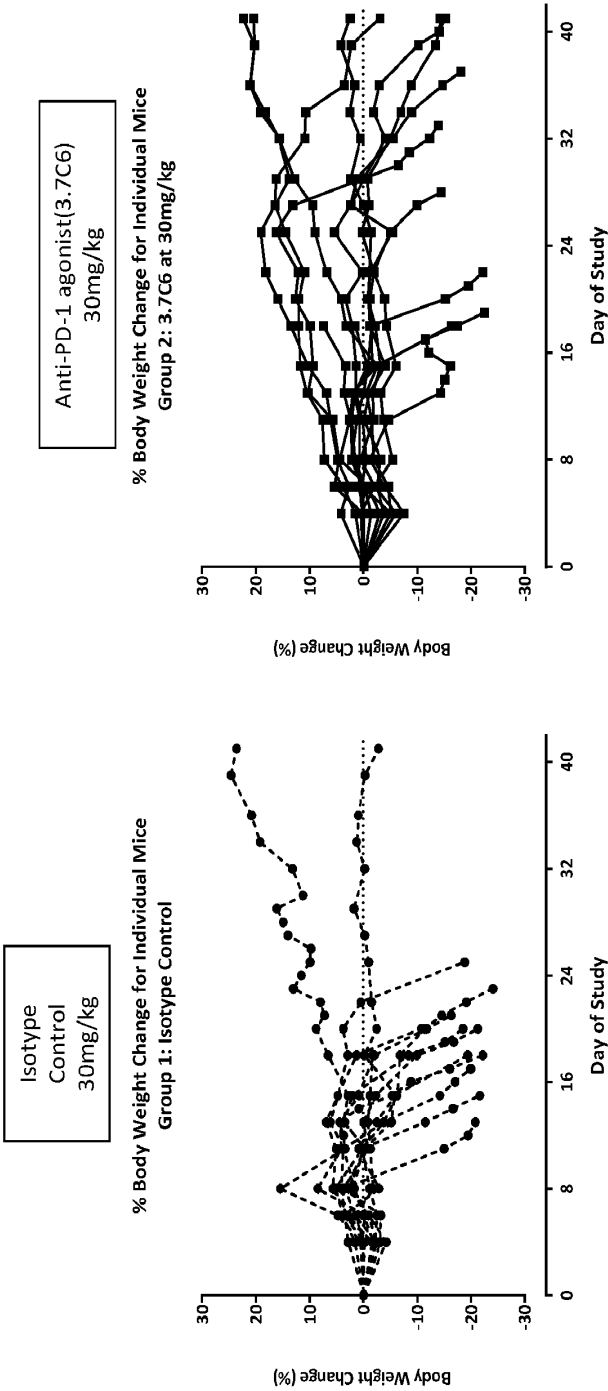


Figure 24D

Figure 24E

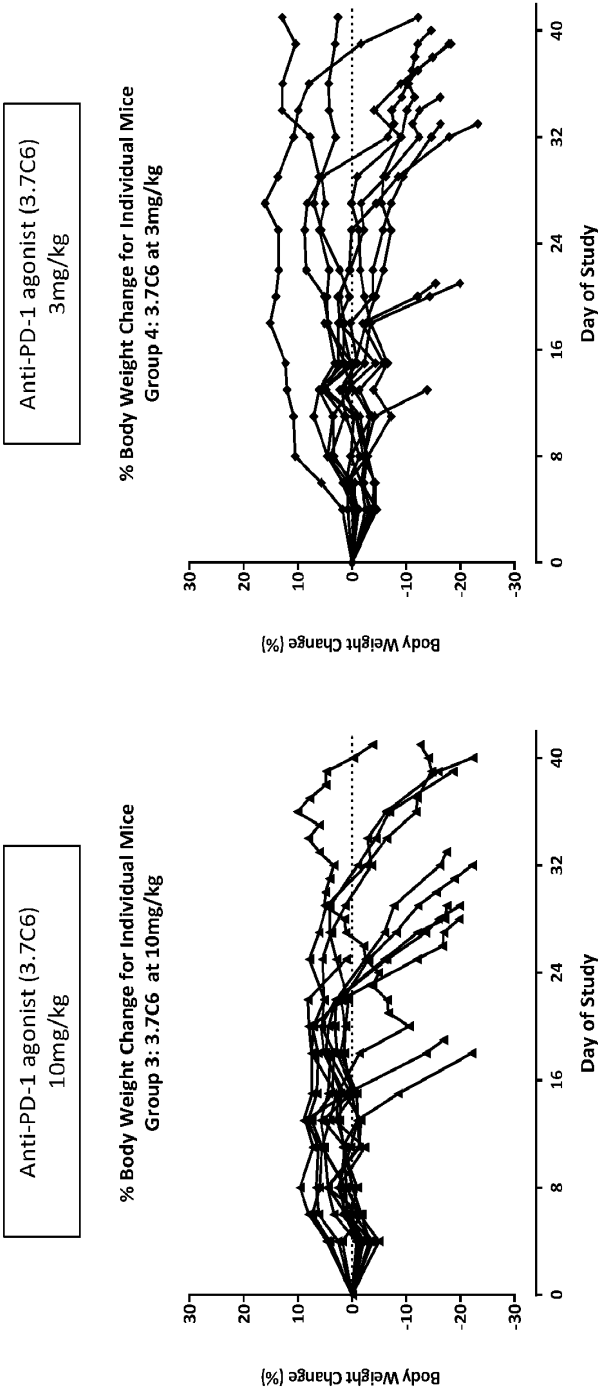


Figure 24F

Figure 24G

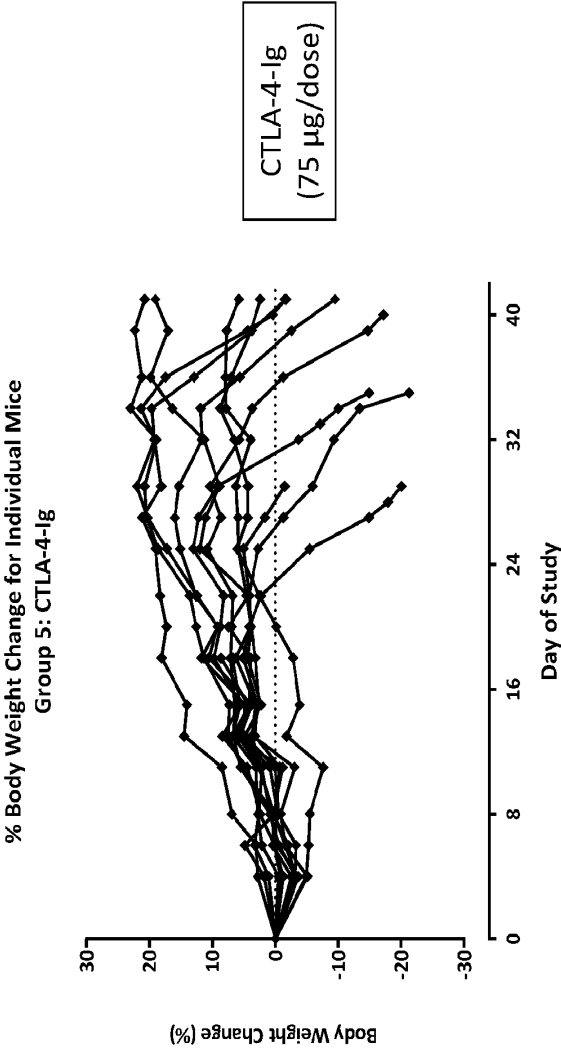


Figure 24H