

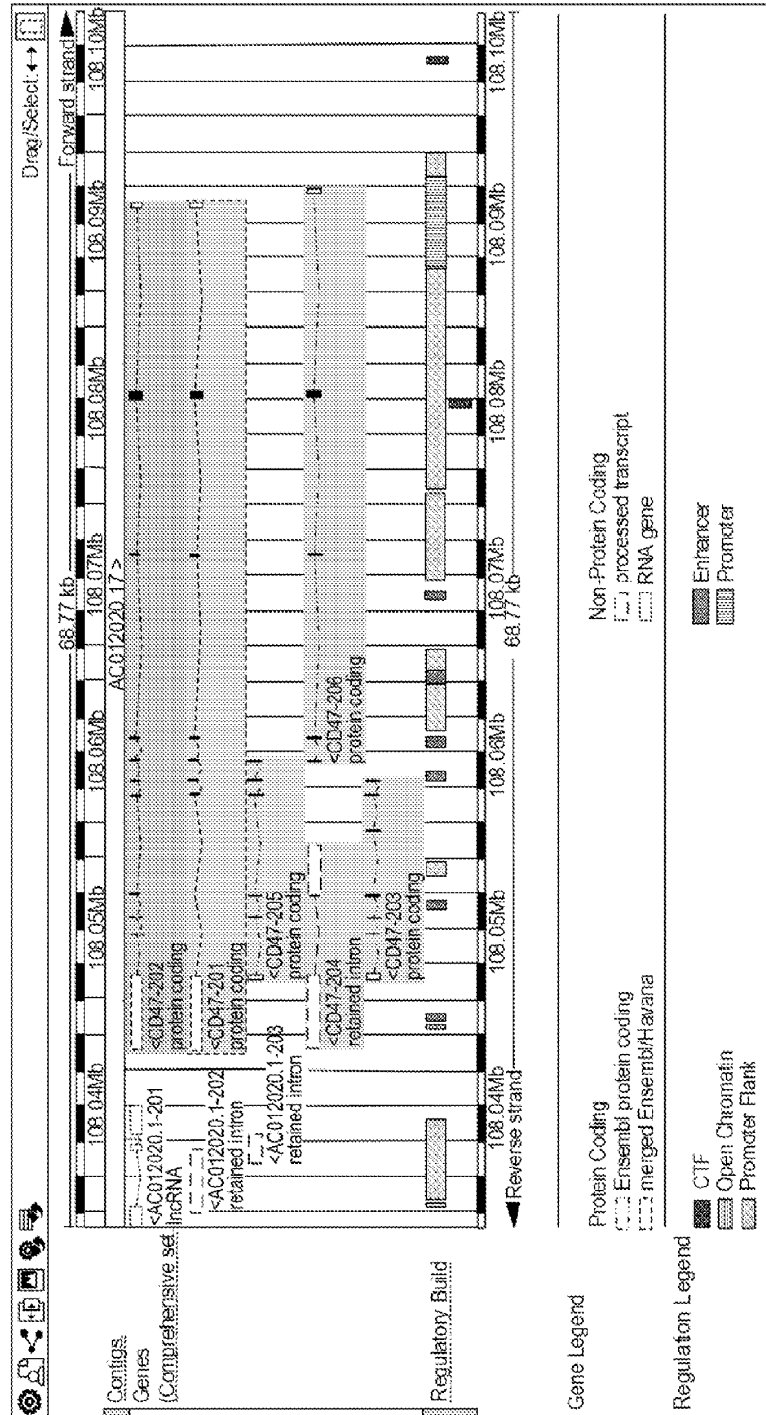


FIGURE 1

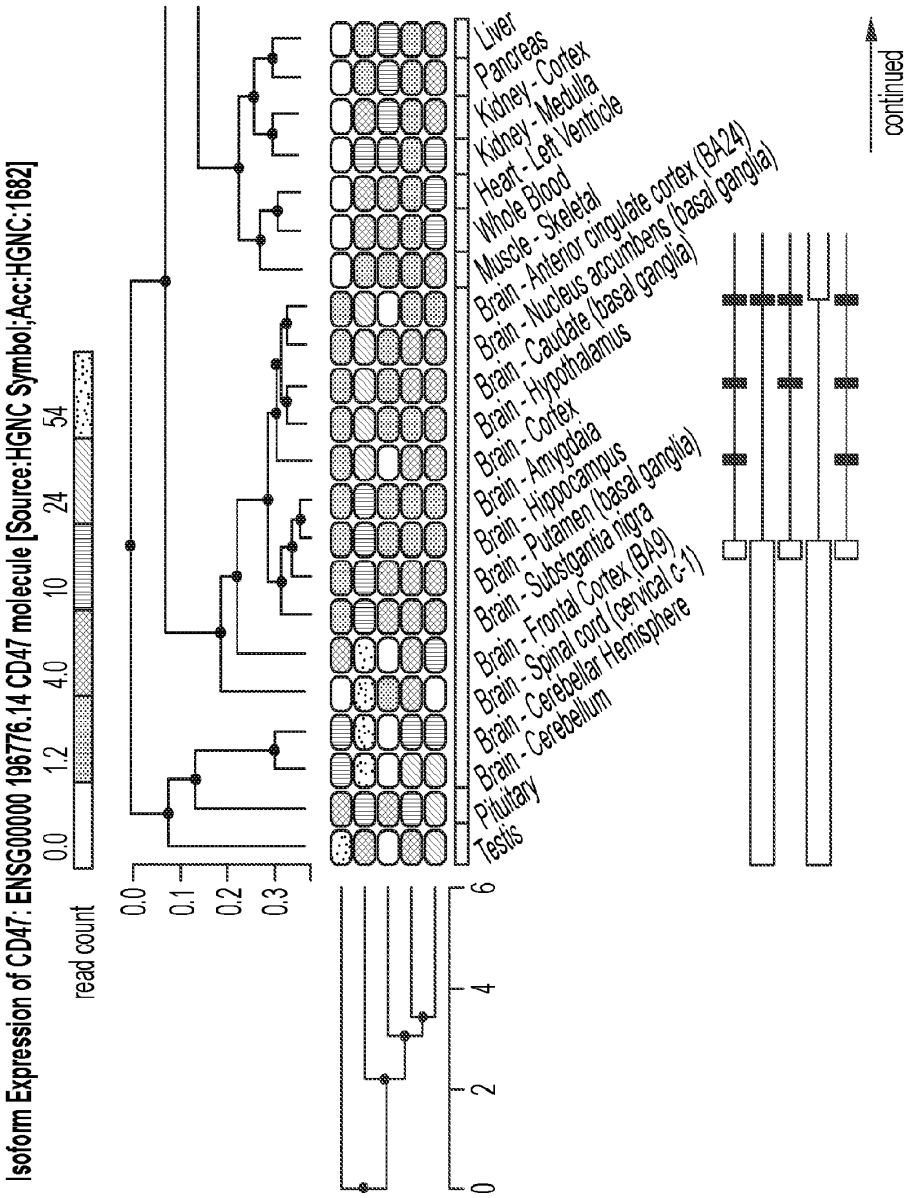


FIGURE 2A

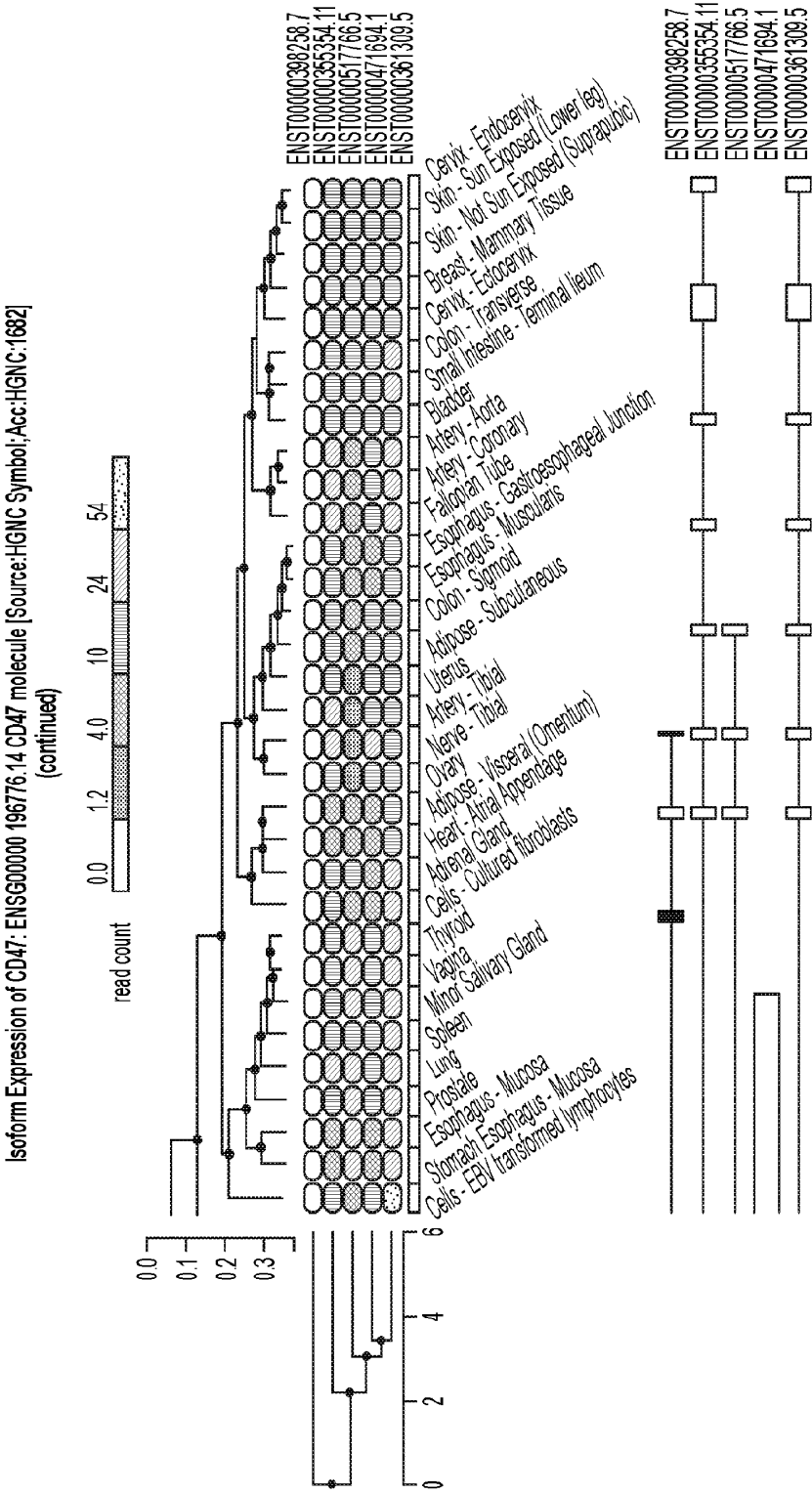


FIGURE 2B

Topology					
Feature key	Position(s)	Description	Actions	Graphical view	Length
Topological domain	19 - 141	Extracellular (Sequence analysis)	Add BLAST		123
Transmembrane	142 - 162	Helical (Sequence analysis)	Add BLAST		21
Topological domain	163 - 176	Cytoplasmic (Sequence analysis)	Add BLAST		14
Transmembrane	177 - 197	Helical (Sequence analysis)	Add BLAST		21
Topological domain	198 - 207	Extracellular (Sequence analysis)			10
Transmembrane	208 - 228	Helical (Sequence analysis)	Add BLAST		21
Topological domain	229 - 235	Cytoplasmic (Sequence analysis)			7
Transmembrane	236 - 256	Helical (Sequence analysis)	Add BLAST		21
Topological domain	257 - 268	Extracellular (Sequence analysis)	Add BLAST		12
Transmembrane	269 - 289	Helical (Sequence analysis)	Add BLAST		21
Topological domain	290 - 323	Cytoplasmic (Sequence analysis)	Add BLAST		34

FIGURE 3

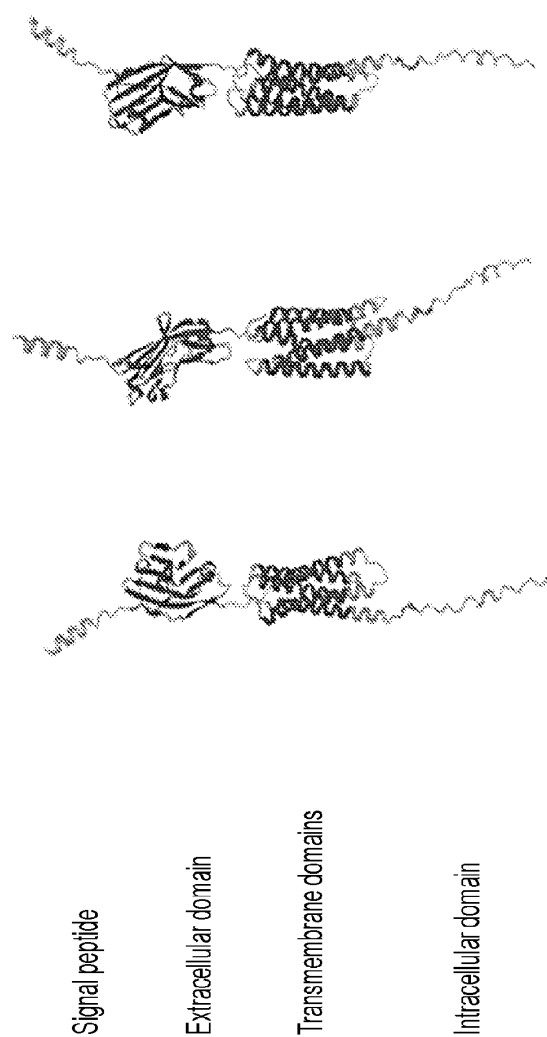


FIGURE 4

Template Alignment: CD47-202 (ENSG00000196776_ENST00000361309) translation [124-1095], CD47-203
(ENSG00000196776_ENST00000398258) translation [3-260], CD47-205 (ENSG00000196776_ENST00000517766) translation [3-329], CD47-206
(ENSG00000196776_ENST00000644850) translation [216-764]

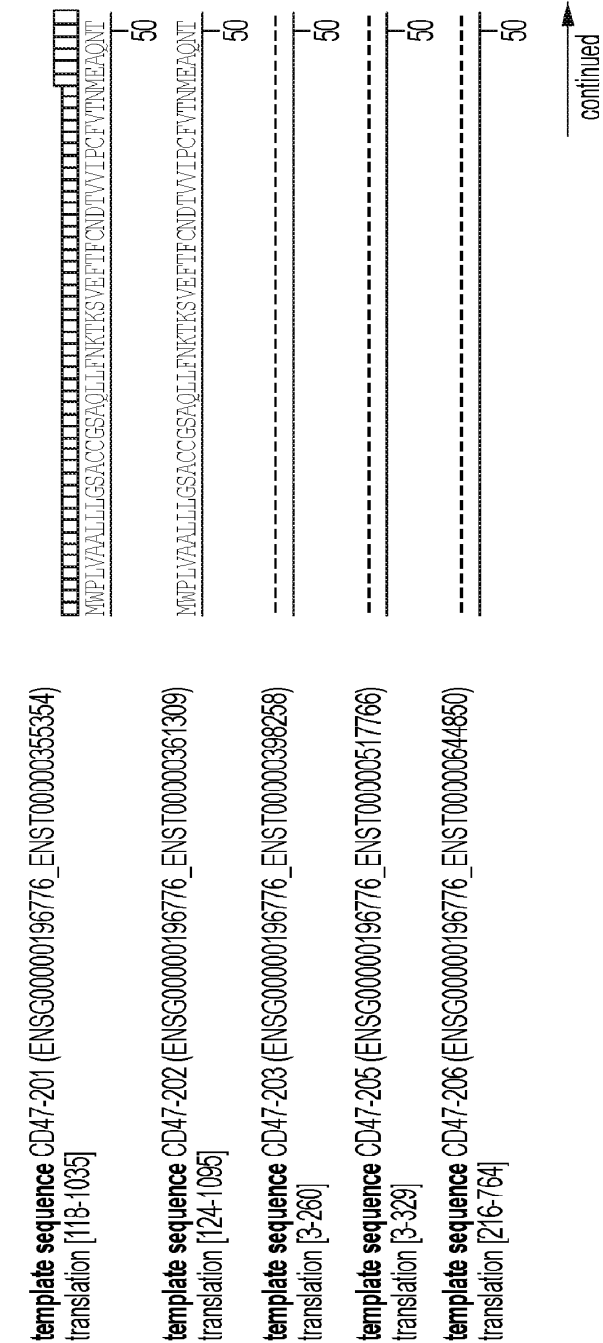


FIGURE 5A

Template Alignment: CD47-202 (ENSG00000196776_ENST00000361309) translation [124-1095], CD47-203
(ENSG00000196776_ENST00000398258) translation [3-260], CD47-205 (ENSG00000196776_ENST00000517766) translation [3-329], CD47-206
(ENSG00000196776_ENST00000644850) translation [216-764]
(cont'd)

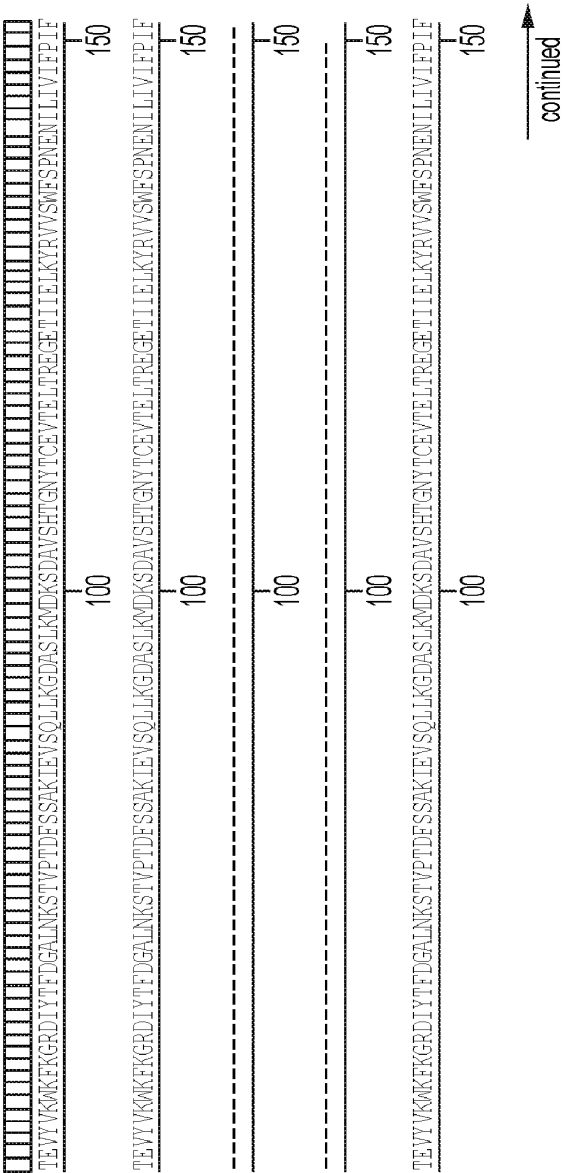


FIGURE 5B

Template Alignment: CD47-202 (ENSG00000196776_ENST00000361309) translation [124-1095], CD47-203
(ENSG00000196776_ENST00000398258) translation [3-260], CD47-205 (ENSG00000196776_ENST00000517766) translation [3-329], CD47-206
(ENSG00000196776_ENST00000644850) translation [216-764]
(cont'd)

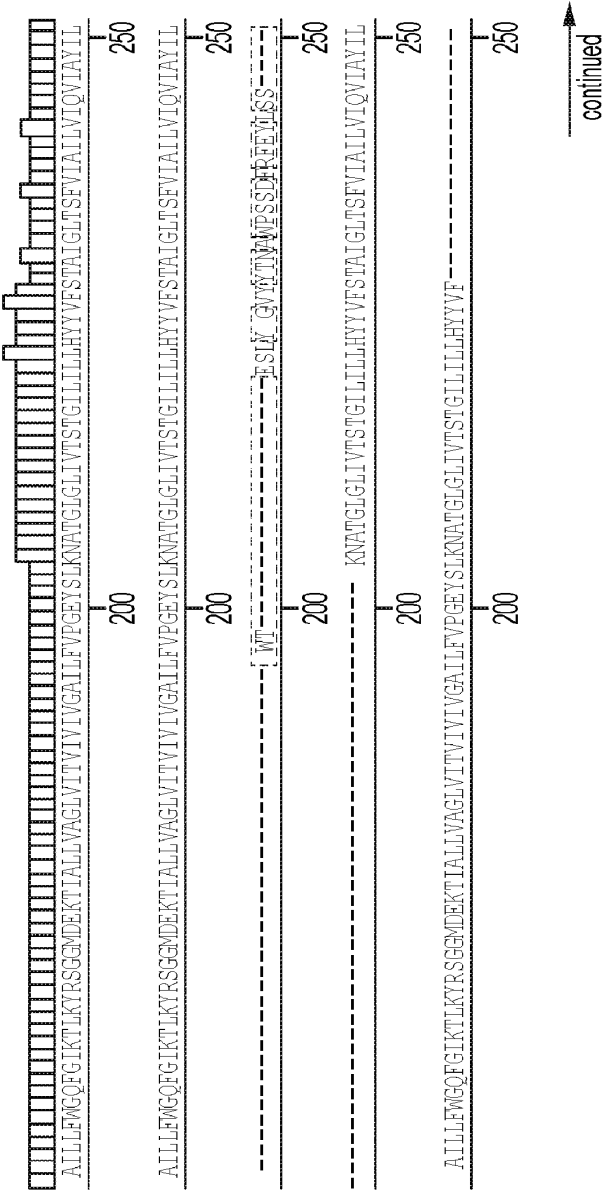


FIGURE 5C

Template Alignment: CD47-202 (ENSG00000196776, ENSG00000361309) translation [124-1095], CD47-203 (ENSG00000196776, ENSG00000398258) translation 3-260], CD47-205 (ENSG00000196776, ENSG00000517766) translation [3-329], CD47-206 (ENSG00000196776, ENSG00000644850) translation [216-764]

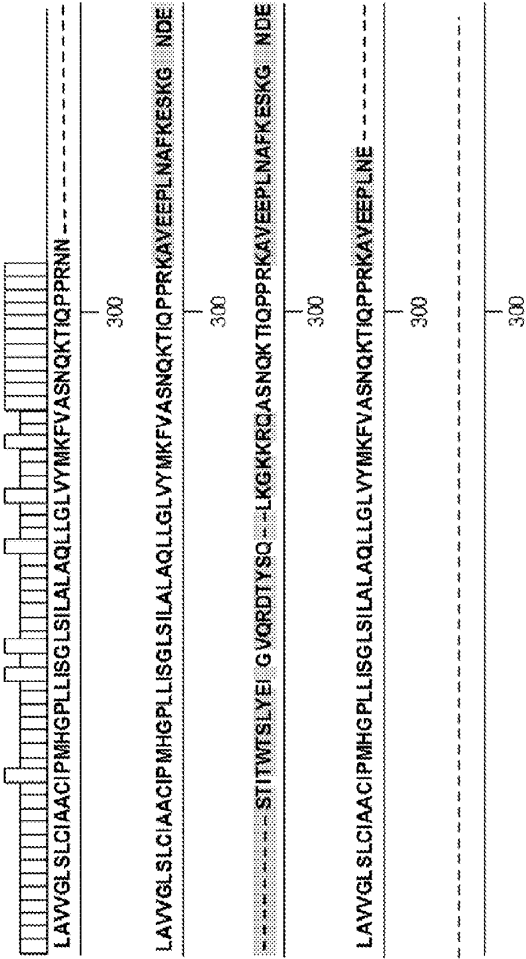
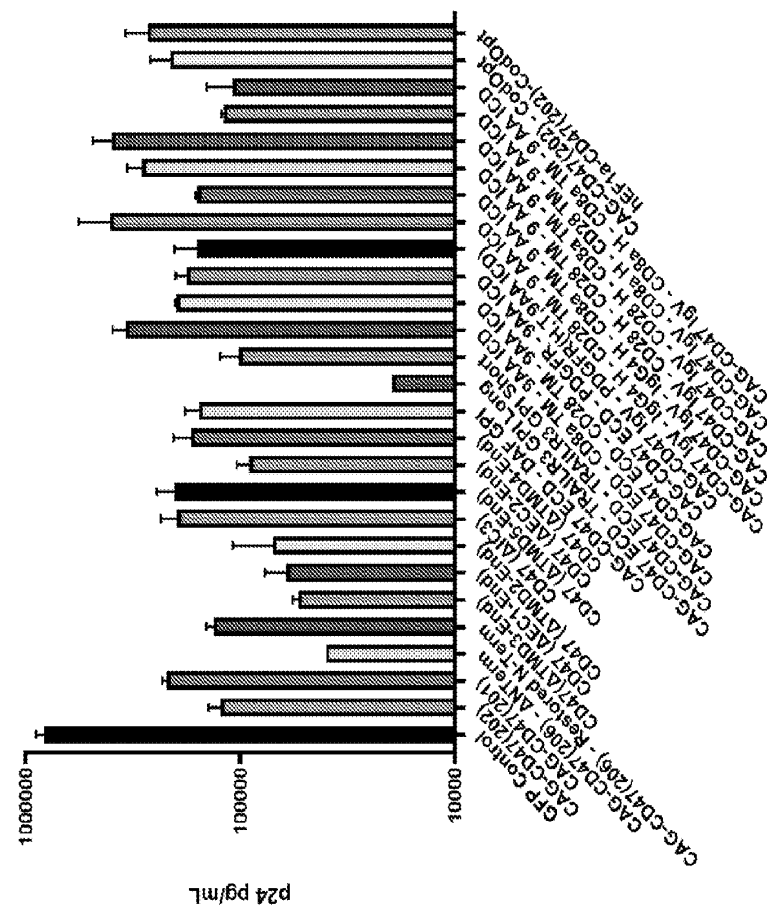


FIGURE 5D



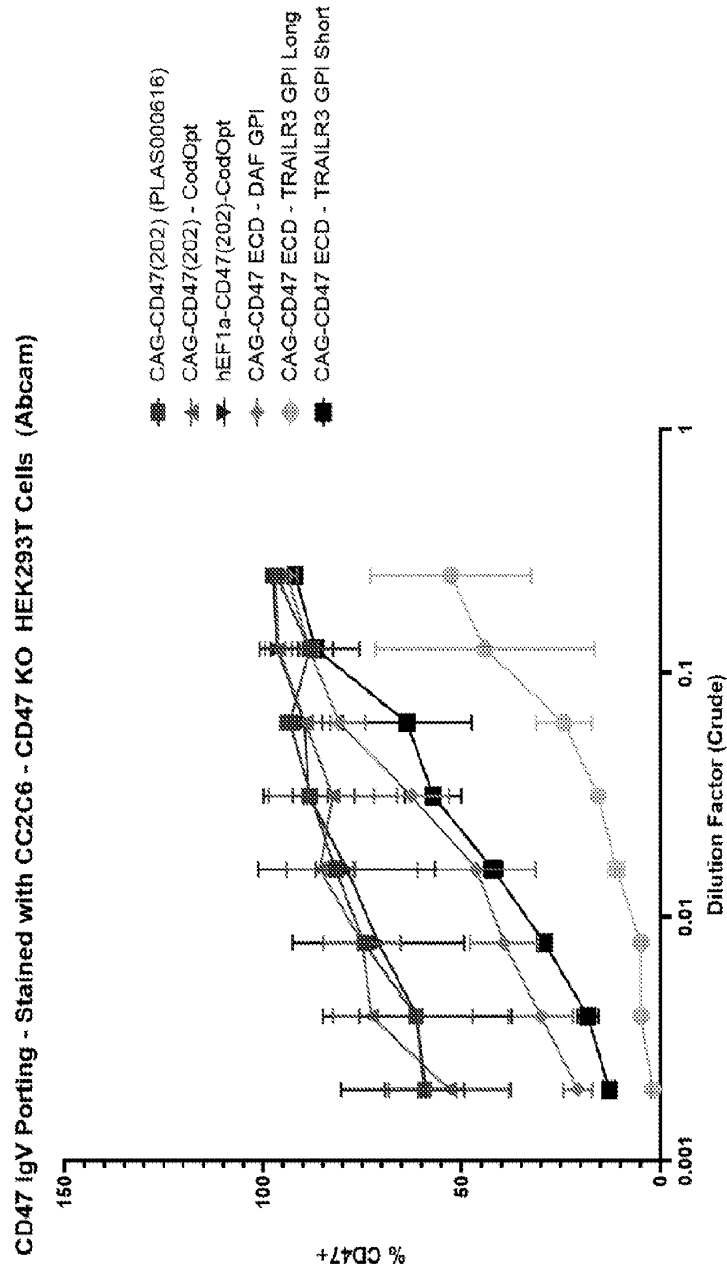


FIGURE 7

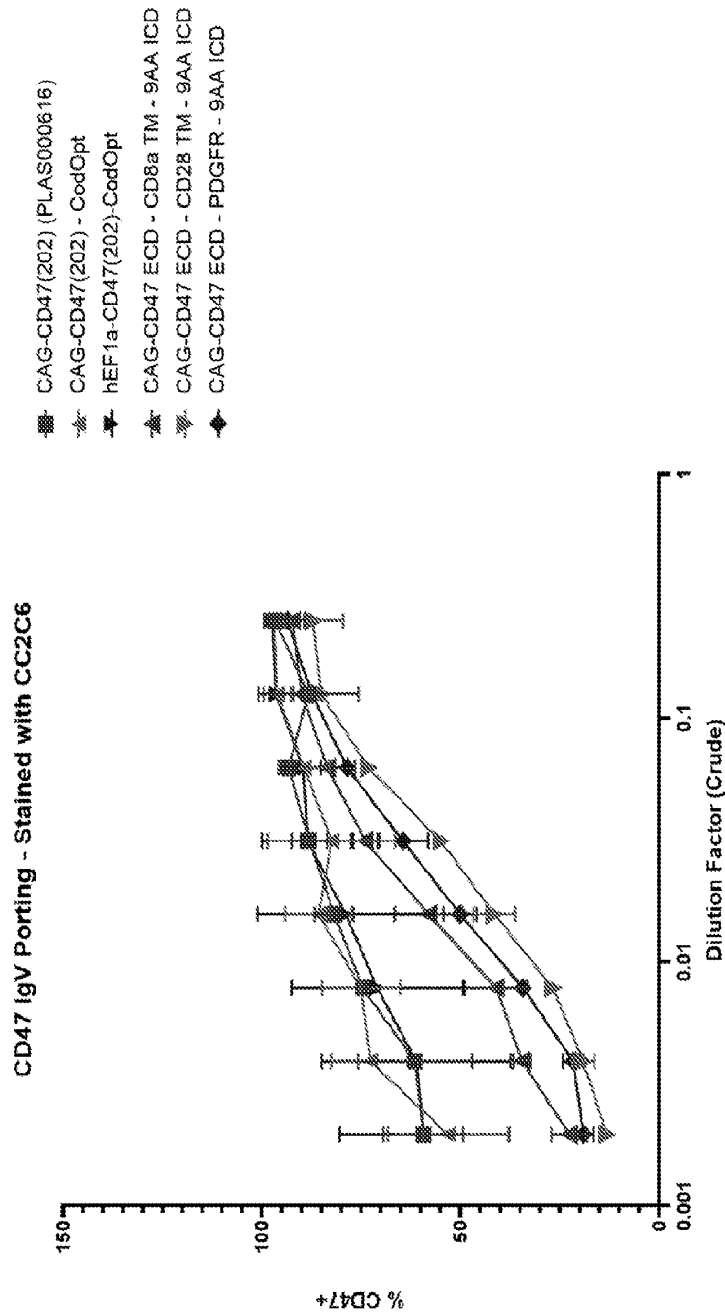


FIGURE 8

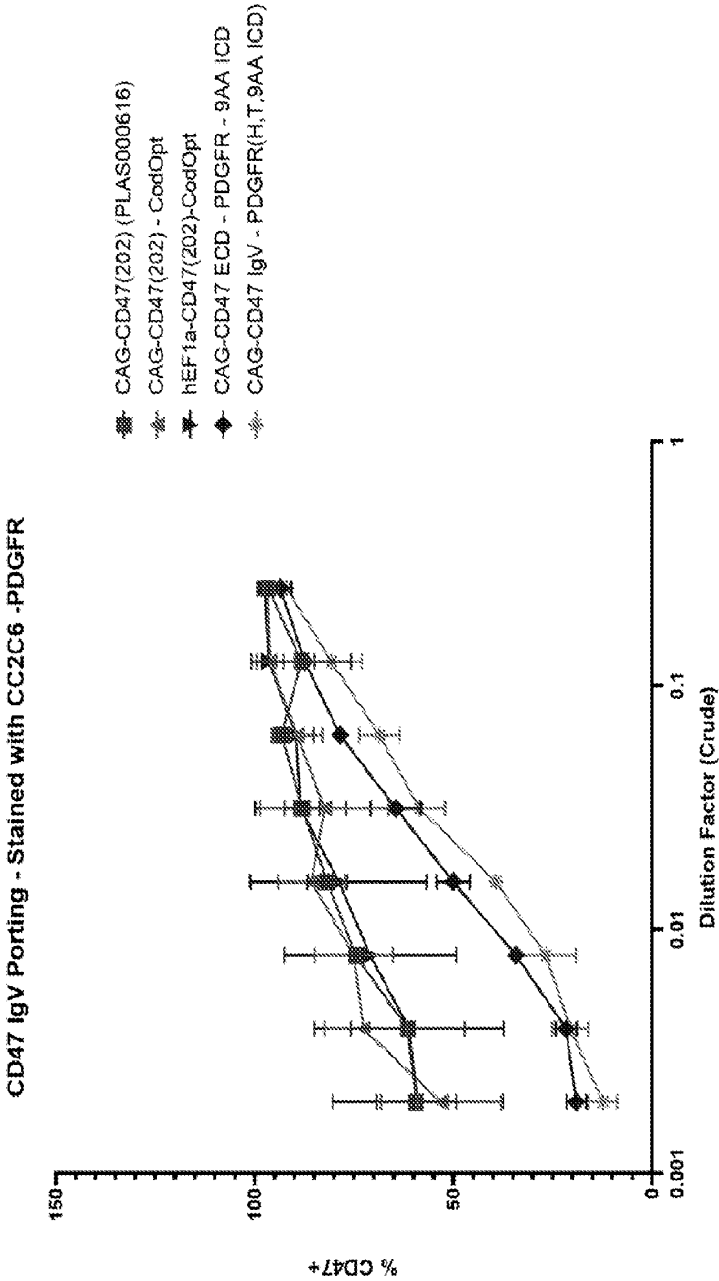


FIGURE 9

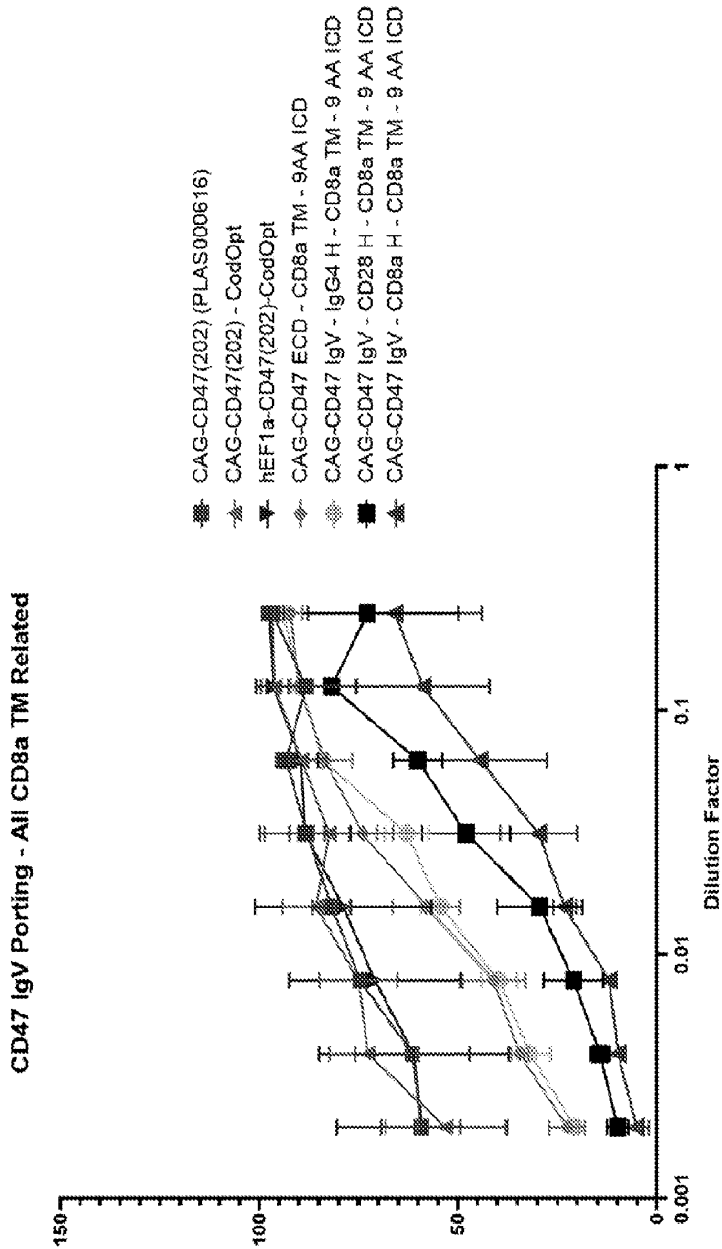


FIGURE 10

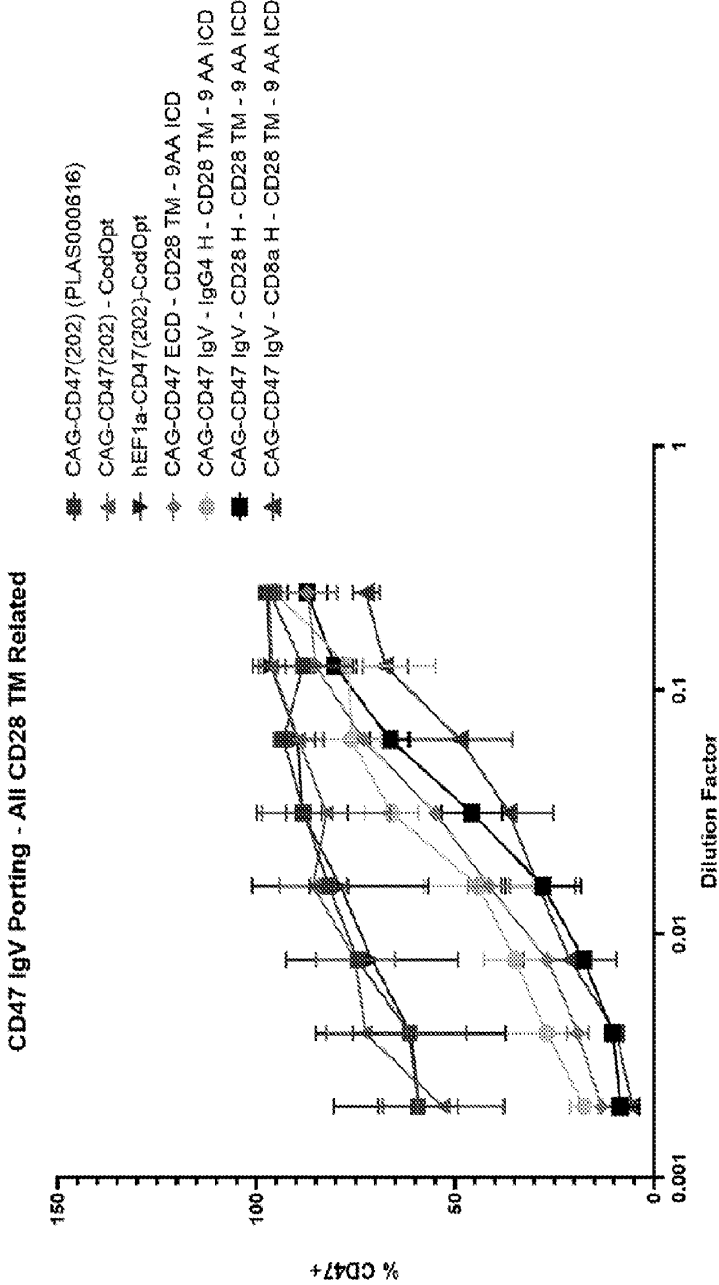


FIGURE 11

WT CD47(202)	SP	IgV	TM1	IC1	TM2	EC1	TM3	IC2	TM4	EC2	TM5	IC3
	SP	IgV	TM1	IC1	TM2	EC1	TM3	IC2	TM4	EC2	TM5	IC3
	SP	IgV	TM1	IC1	TM2	EC1	TM3	IC2	TM4	EC2	TM5	IC3
	SP	IgV	TM1	IC1	TM2	EC1	TM3	IC2	TM4	EC2	TM5	IC3
	SP	IgV	TM1	IC1	TM2	EC1	TM3	IC2	TM4	EC2	TM5	IC3

CD47(202) and CD47(201) have different IC3s, by a few amino acids and is shorter.

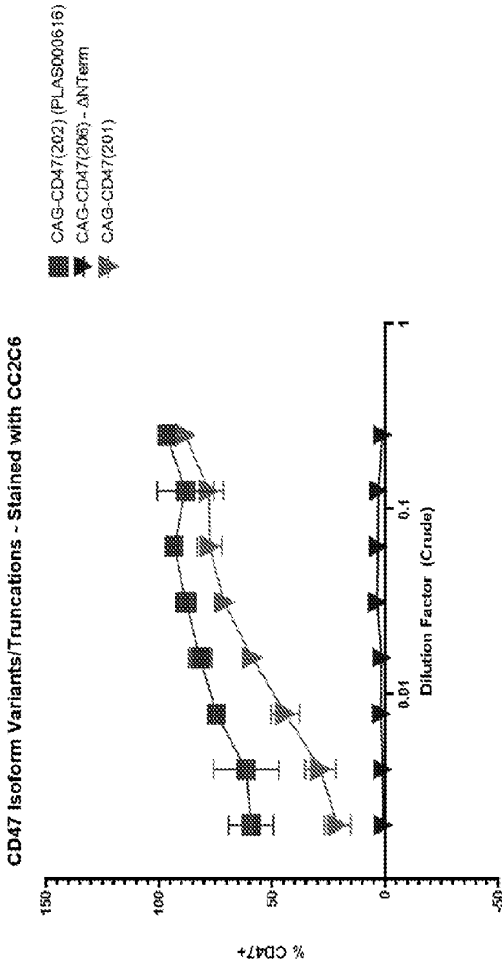


FIGURE 12A

WT CD47	SP	IgV	TM1	IC1	TM2	EC1	TM3	IC2	TM4	EC2	TM5	IC3
	SP	IgV	TM1	IC1	TM2	EC1	TM3	IC2	TM4	EC2	TM5	
	SP	IgV	TM1	IC1	TM2	EC1	TM3	IC2	TM4	EC2		

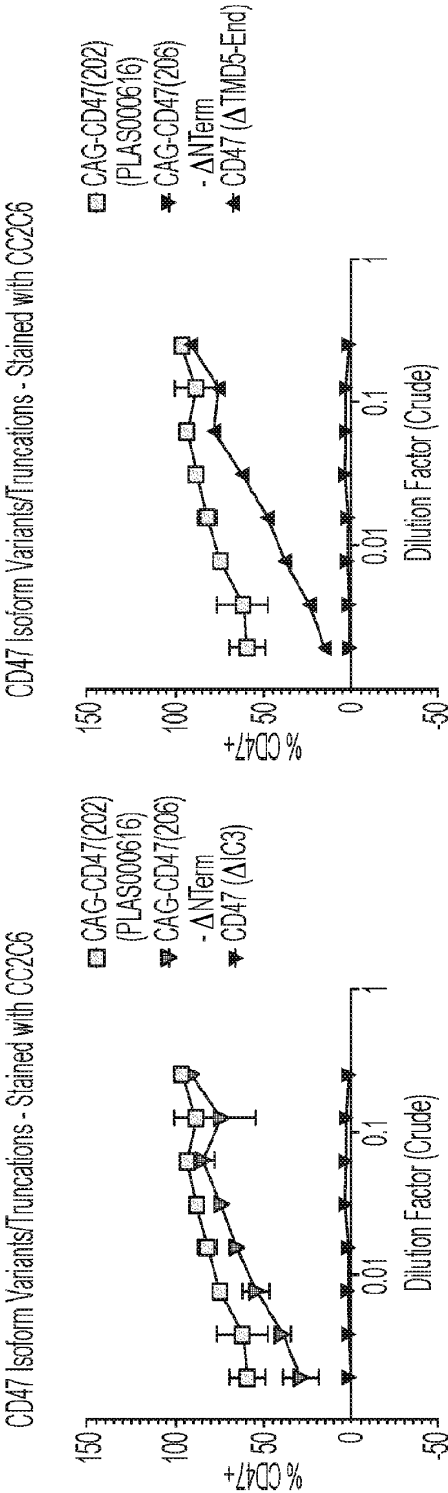


FIGURE 12B

WT CD47	SP	IgV	TM1	IC1	TM2	EC1	TM3	IC2	TM4	EC2	TM5	IC3
	SP	IgV	TM1	IC1	TM2	EC1	TM3	IC2	TM4			
	SP	IgV	TM1	IC1	TM2	EC1	TM3	IC2				
CD47 ΔEC2-END												
CD47Δ TMD4-End												

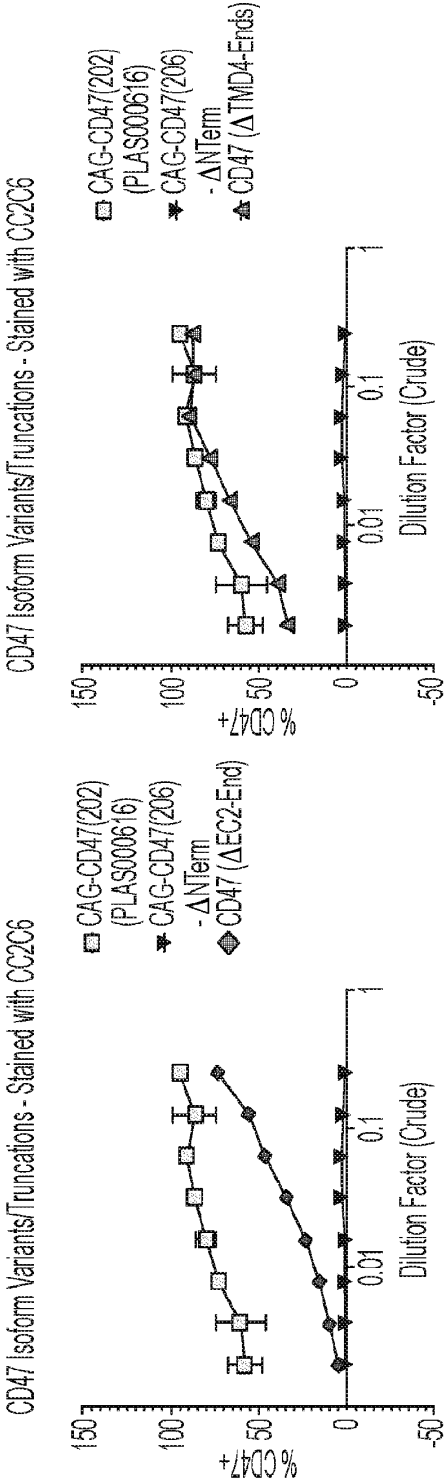


FIGURE 12C

WT CD47 CD47 ΔIC2-End (CD47-206) CD47Δ TMD3- End	SP	IgV	TM1	IC1	TM2	EC1	TM3	IC2	TM4	EC2	TM5	IC3
	SP	IgV	TM1	IC1	TM2	EC1	TM3					
	SP	IgV	TM1	IC1	TM2	EC1						

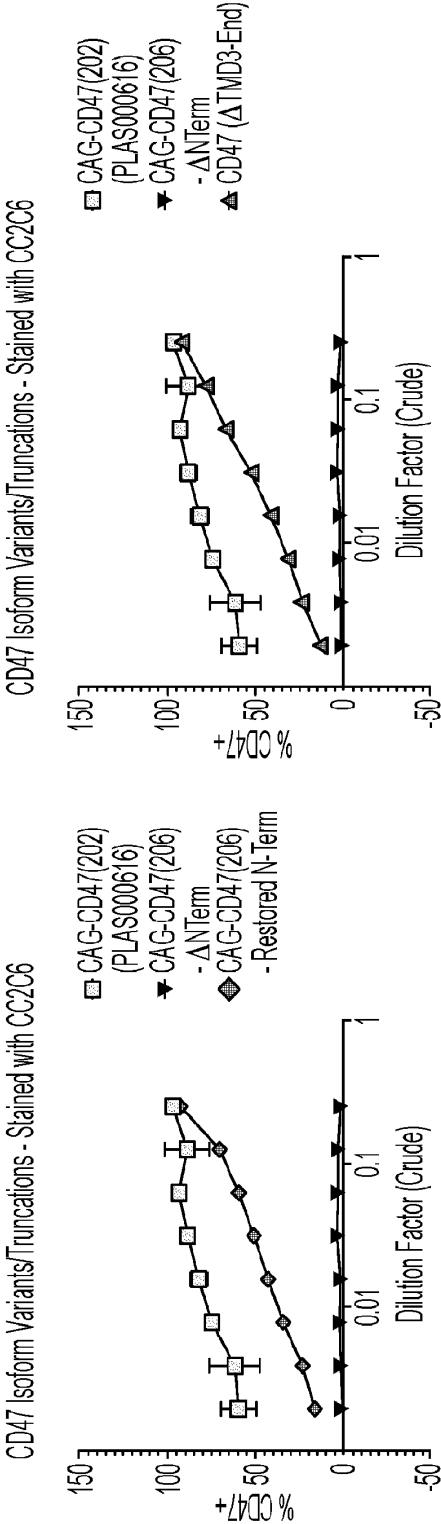


FIGURE 12D

WT CD47 CD47 ΔIC2-End (CD47-206) CD47Δ TMD2- End	SP	IgV	TM1	IC1	TM2	EC1	TM3	IC2	TM4	EC2	TM5	IC3
	SP	IgV	TM1	IC1	TM2							
	SP	IgV	TM1	IC1								

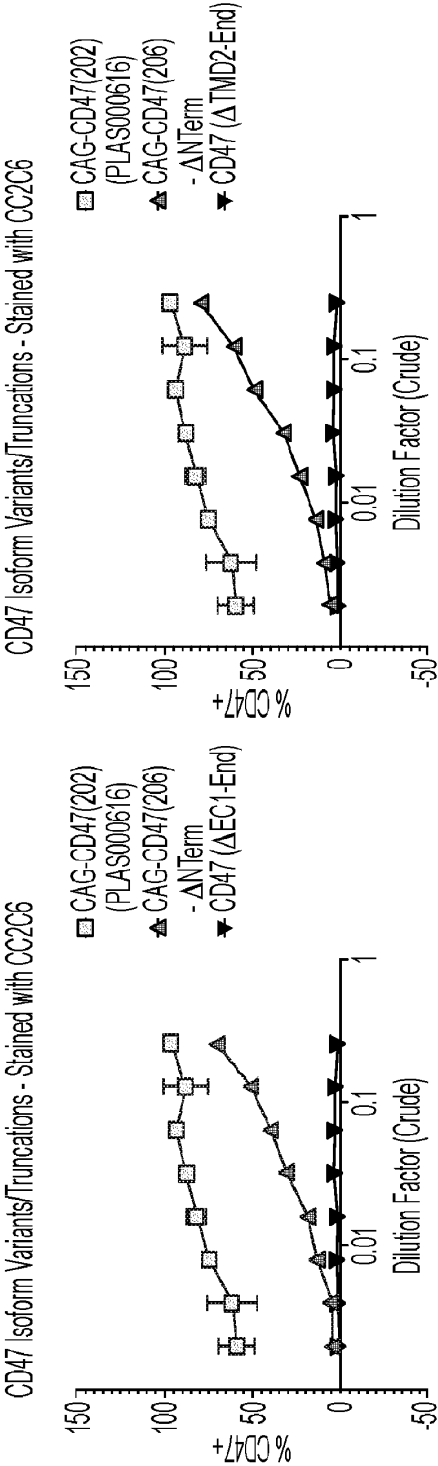


FIGURE 12E

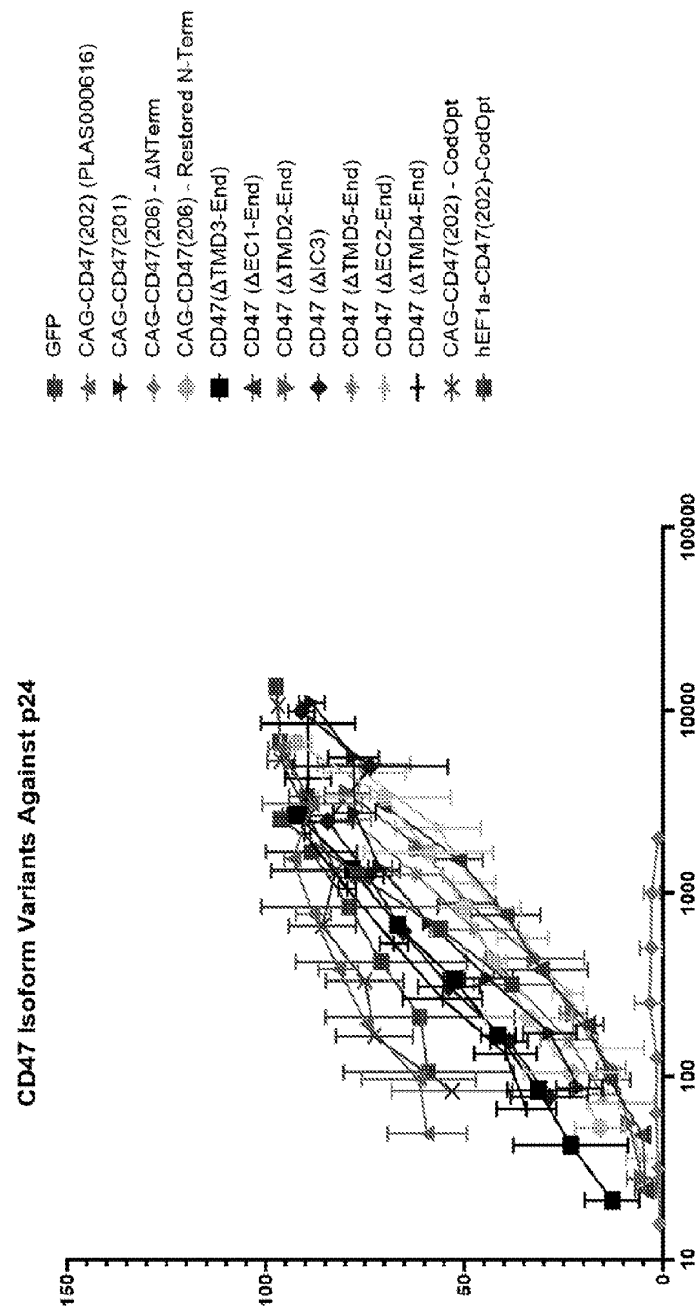


FIGURE 13

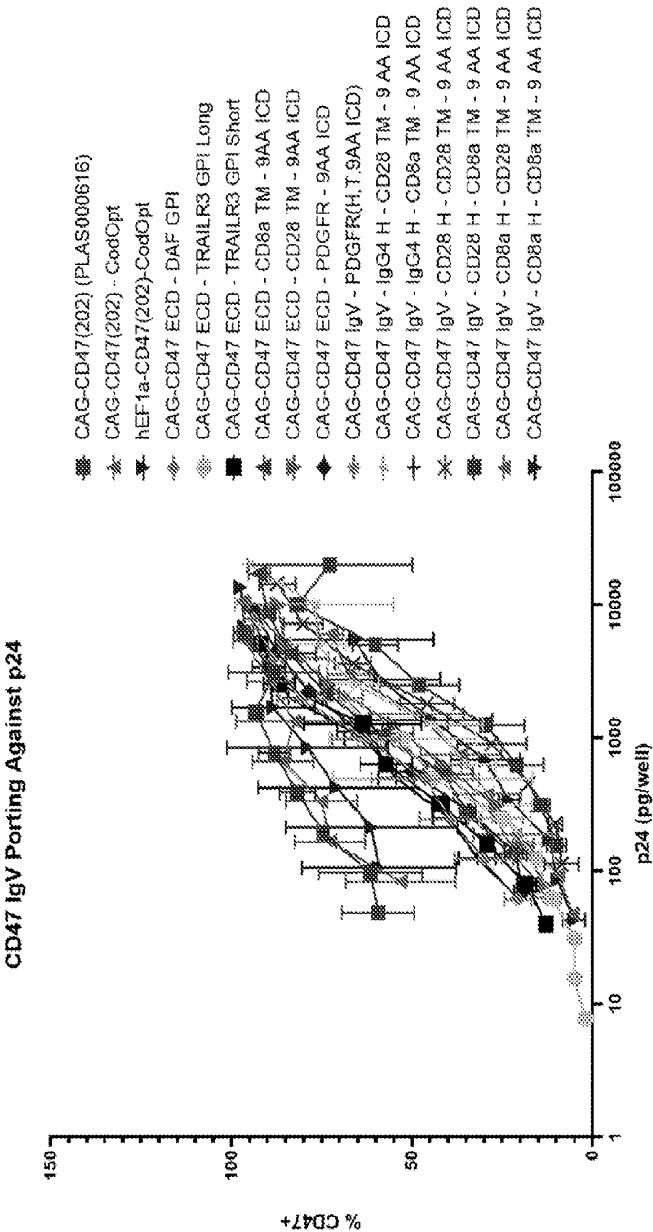


FIGURE 14

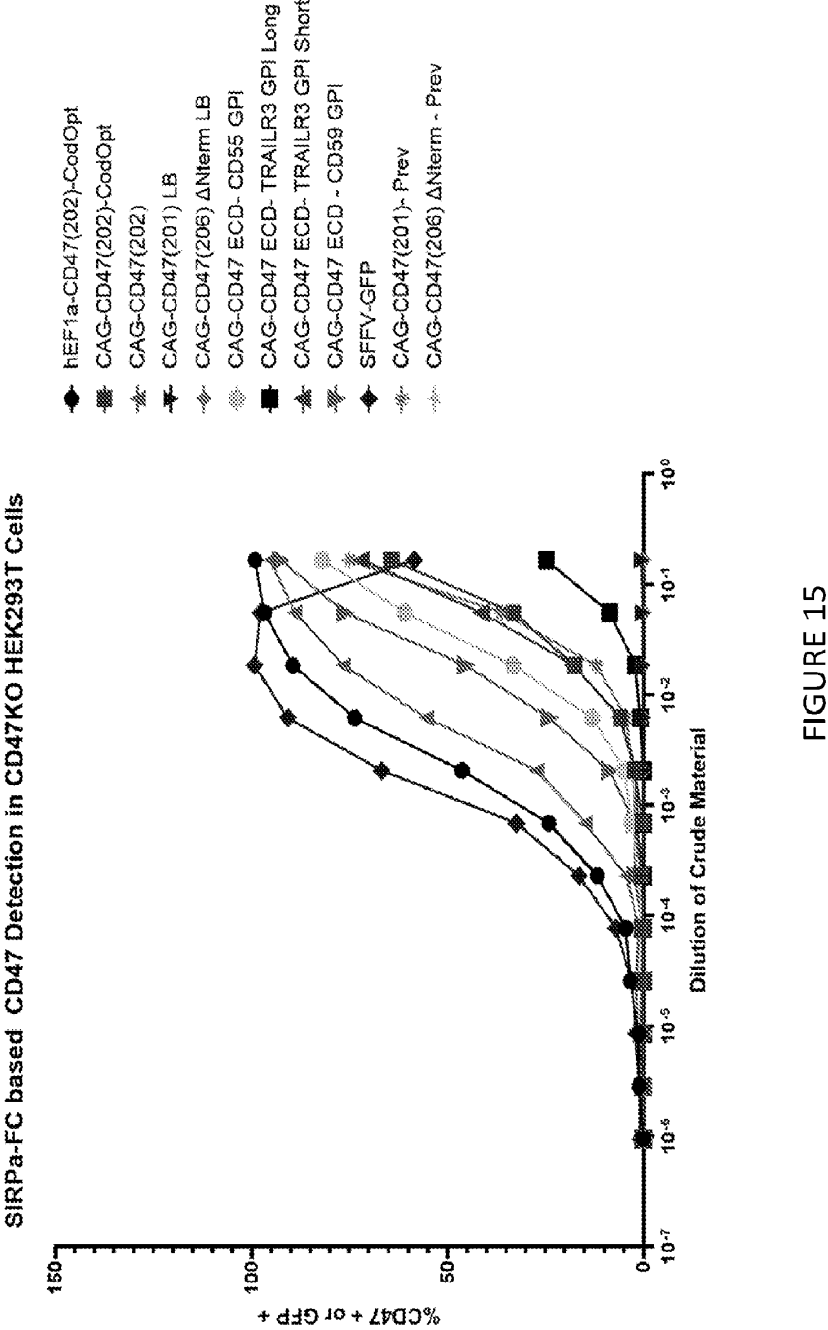


FIGURE 15

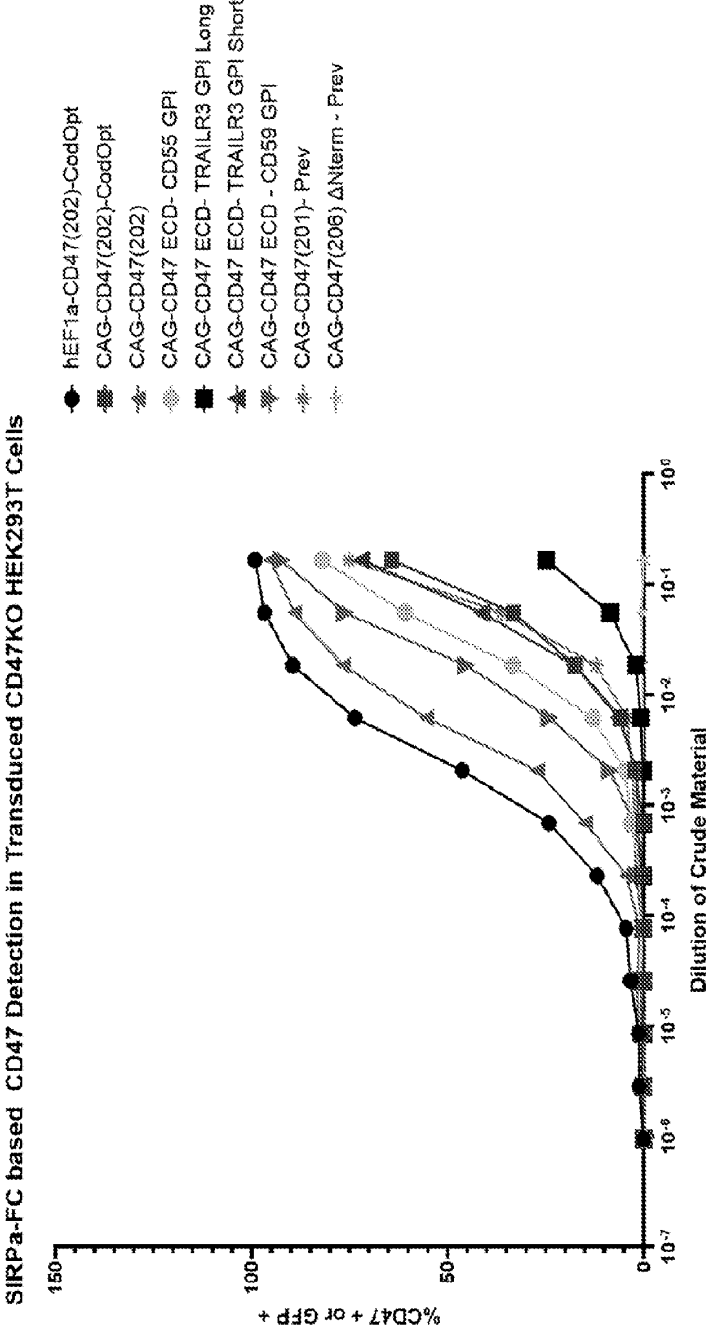


FIGURE 16

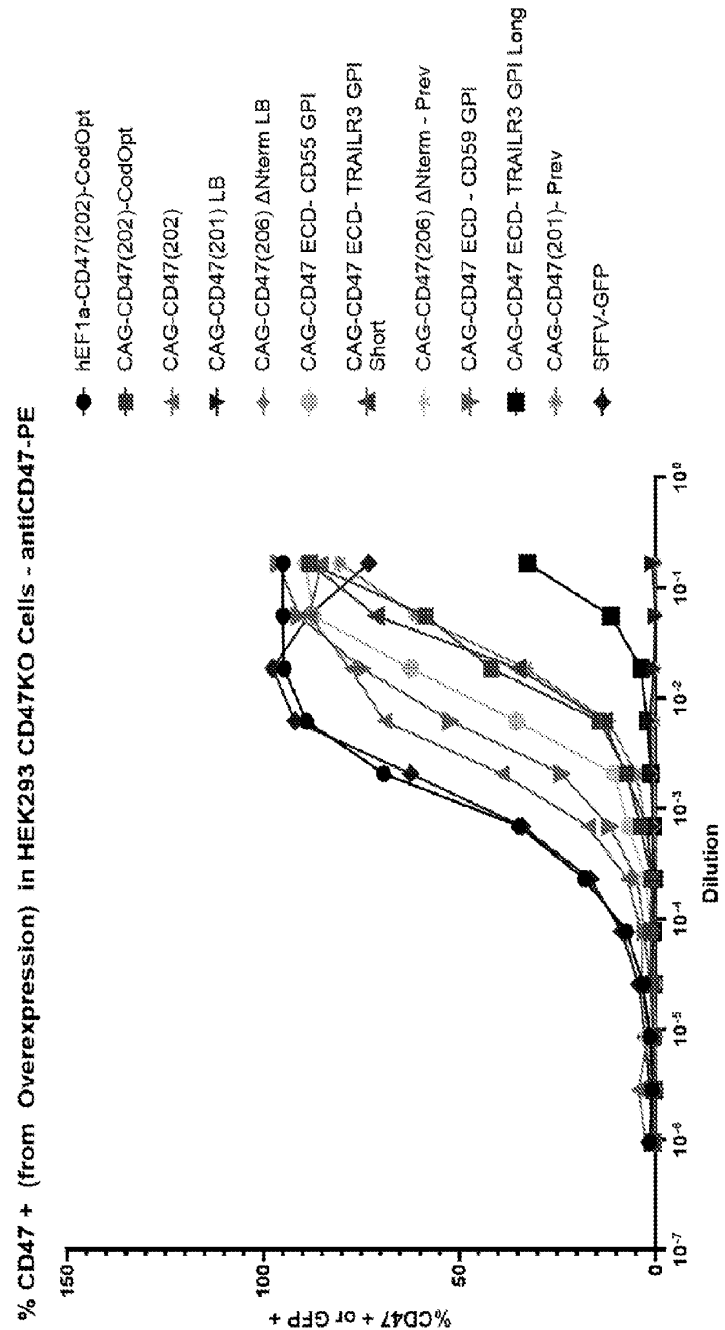


FIGURE 17

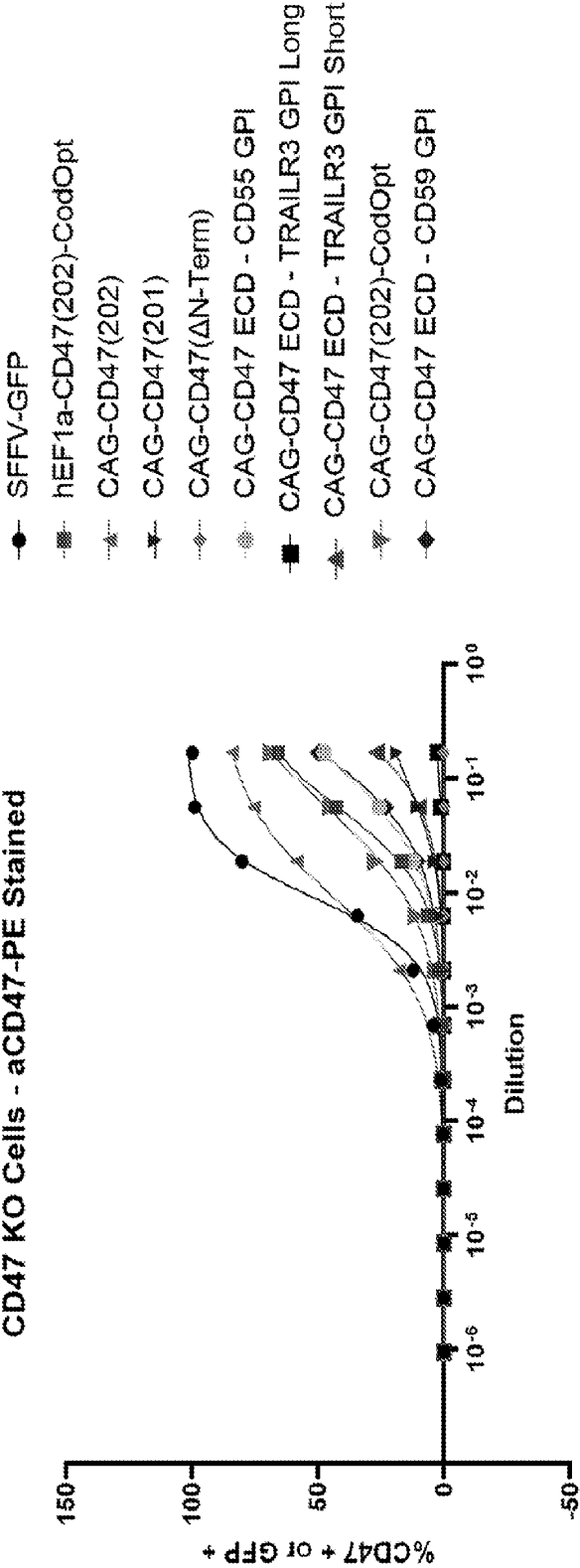


FIGURE 18A

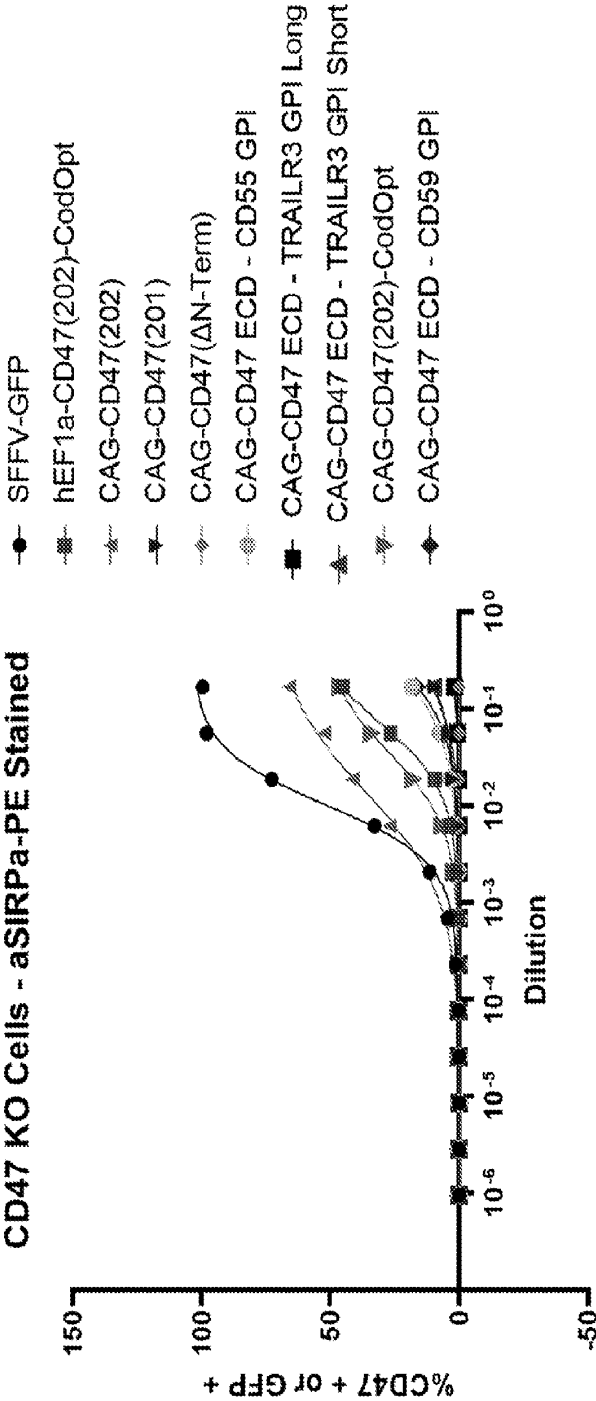


FIGURE 18B

LV2 CD47 (202) – 969bp	SP	IgV	TM1	IC1	TM2	EC1	TM3	IC2	TM4	EC2	TM5	IC3
LV3 CD47 (201) – 915bp	SP	IgV	TM1	IC1	TM2	EC1	TM3	IC2	TM4	EC2	TM5	IC3
LV4 CD47 ΔIC2-End (CD47-206) – 549bp	Partial IgV											
LV5 CD47 ECD w/ DAF GPI Anchor – 534bp	SP	IgV	TM1	IC1	TM2	EC1	TM3					
LV6 CD47 w/TRAILR3 Short GPI Anchor – 519bp	SP	IgV	TRAILR3 GPI									
LV7 CD47 ECD w/ CD59 GPI Anchor – 516bp	SP	IgV	CD59 GPI									
LV8 CD47 (206) w/ restored N-terminus – 685bp	SP	IgV	TM1	IC1	TM2	EC1	TM3					
LV9 CD47 (202) Codon Opt. – 969bp	SP	IgV	TM1	IC1	TM2	EC1	TM3	IC2	TM4	EC2	TM5	IC3
LV10 CD47 ECD w/ CD8a TMD & short ICD (9aa) – 513bp	SP	IgV	CD8 TM	CD8 ICD								

FIGURE 19

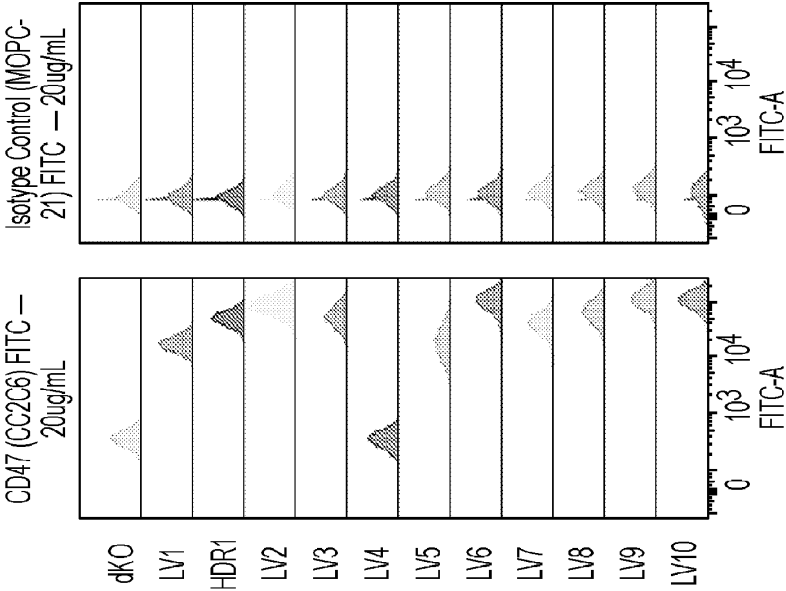


FIGURE 20

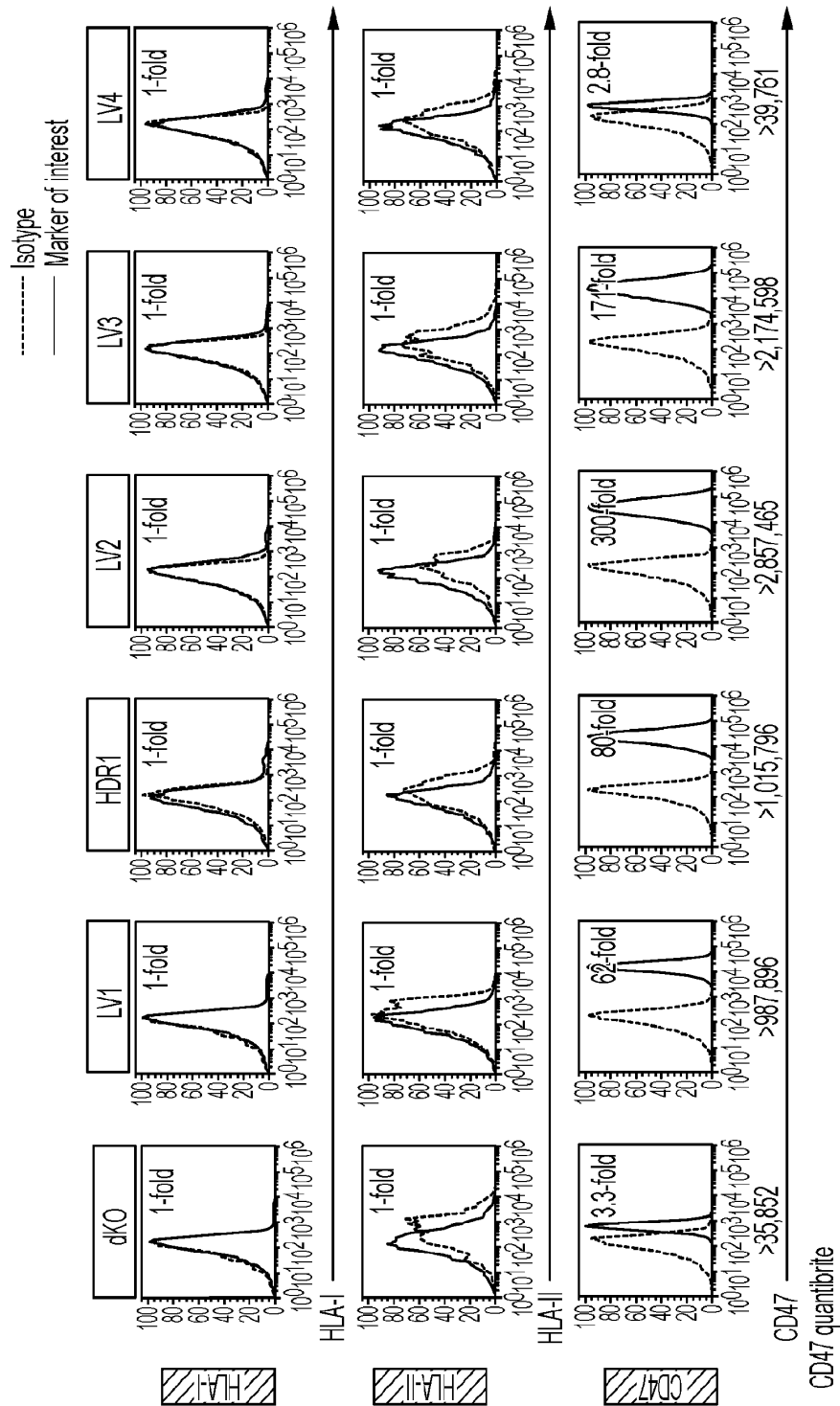


FIGURE 21A

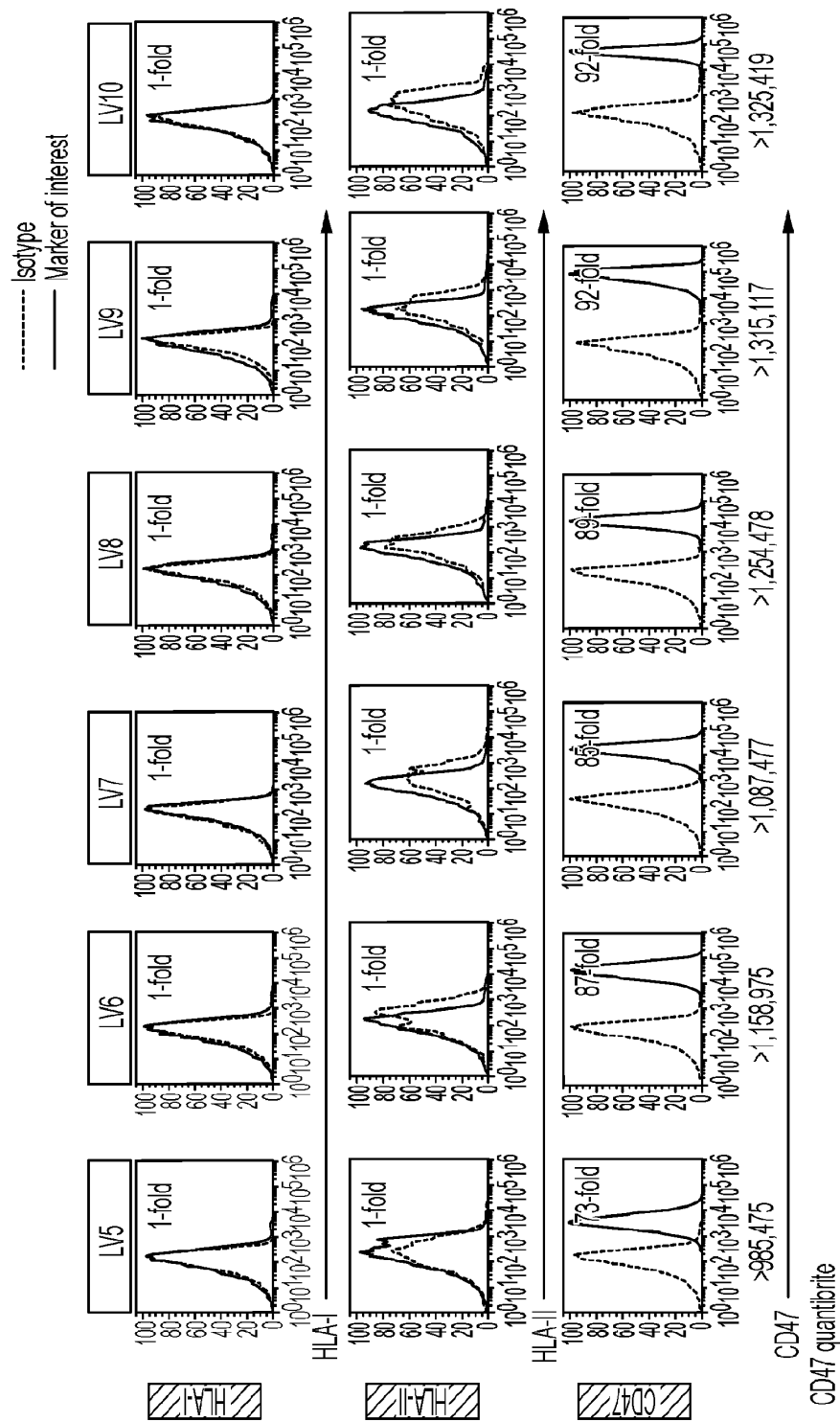


FIGURE 21B

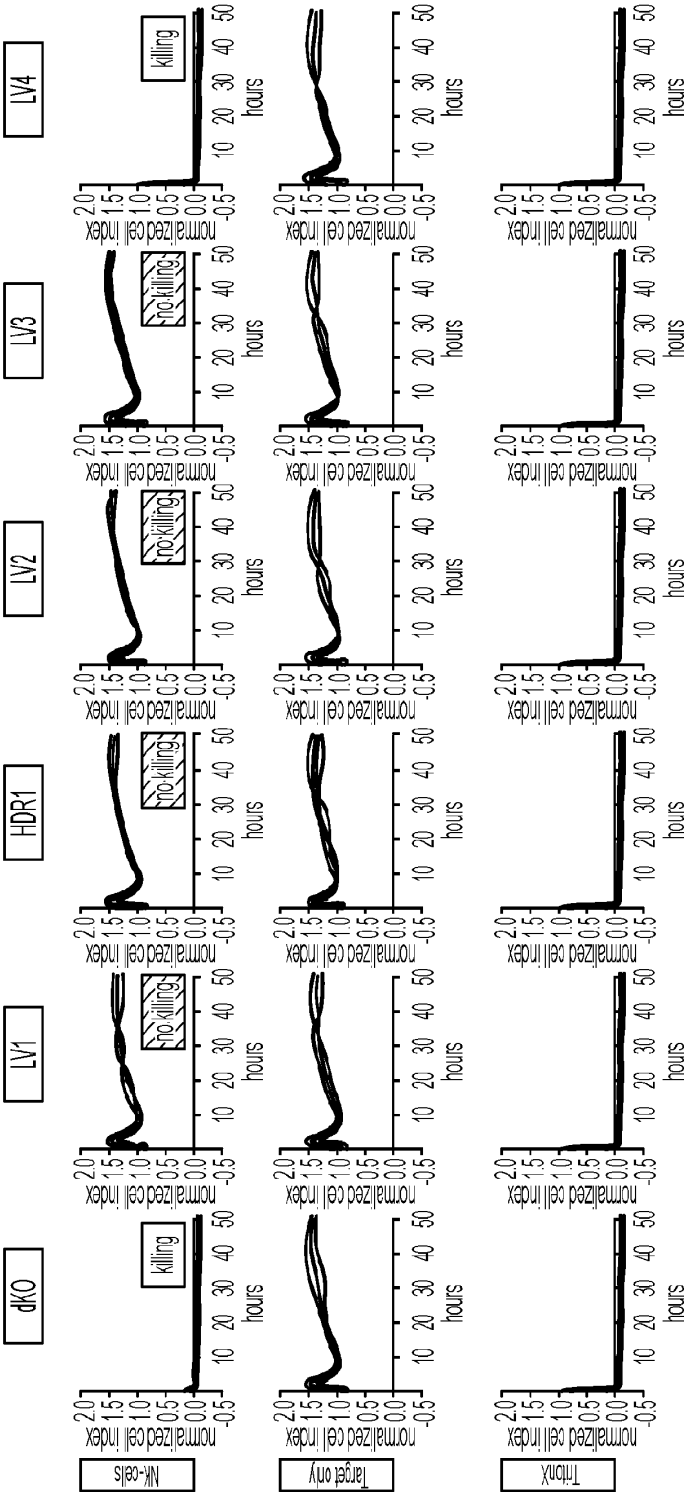


FIGURE 22A

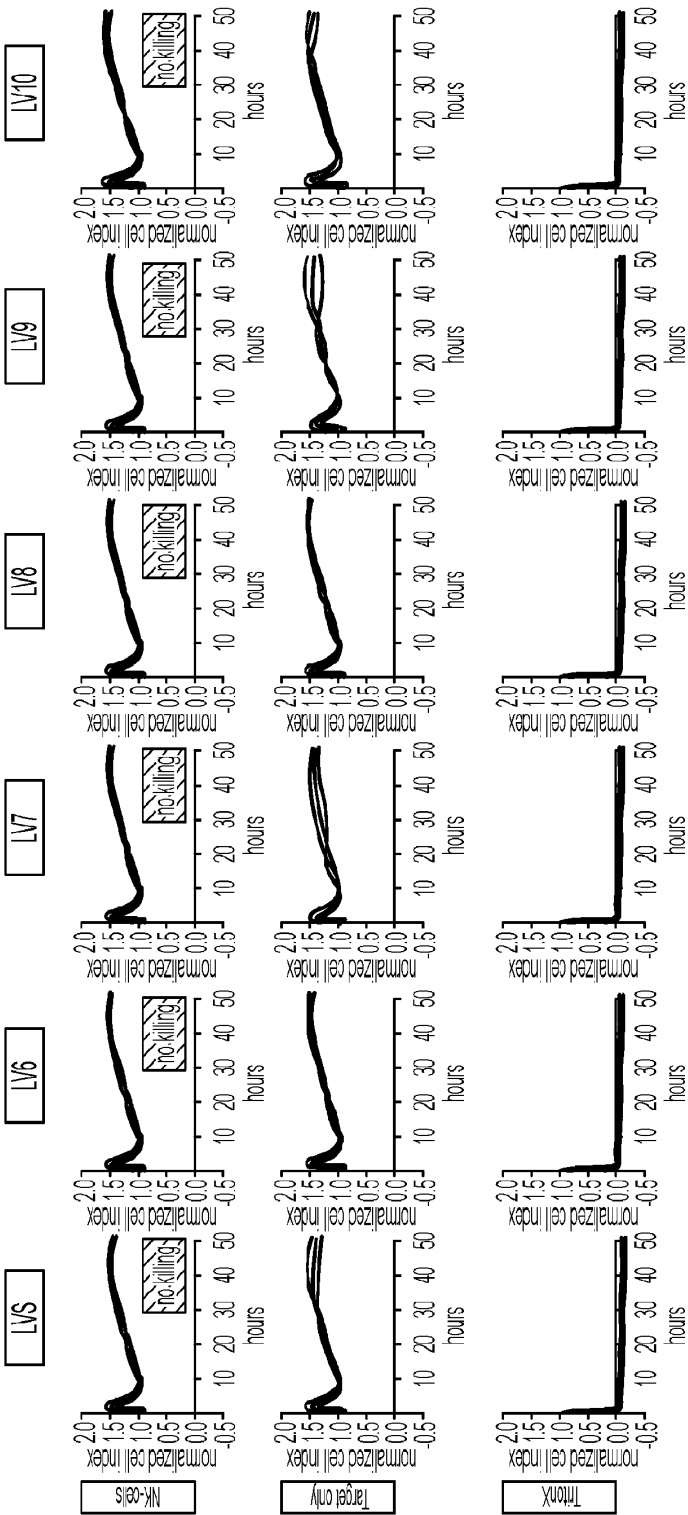


FIGURE 22B