

Figure 1
1/55

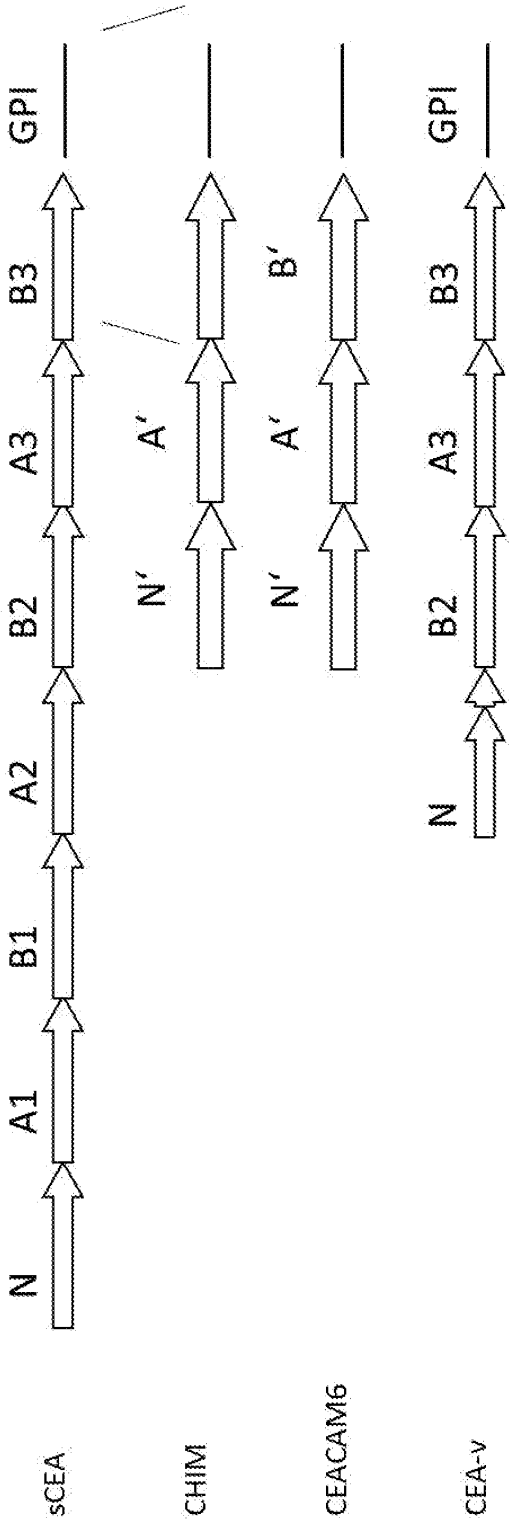


Figure 2A
2/55

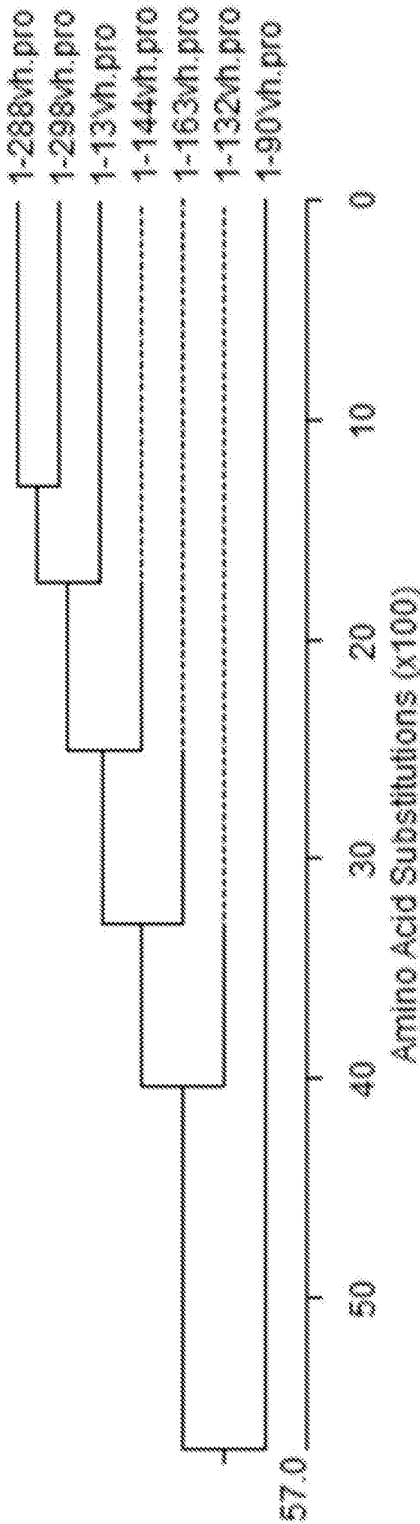


Figure 2B
3/55

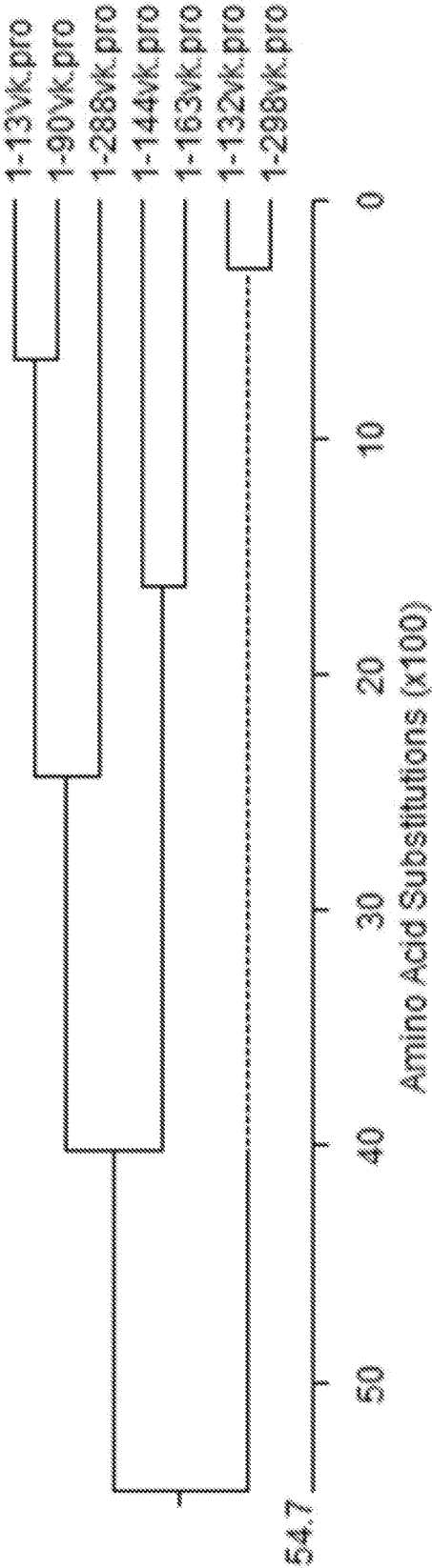


Figure 3A-3B
4/55

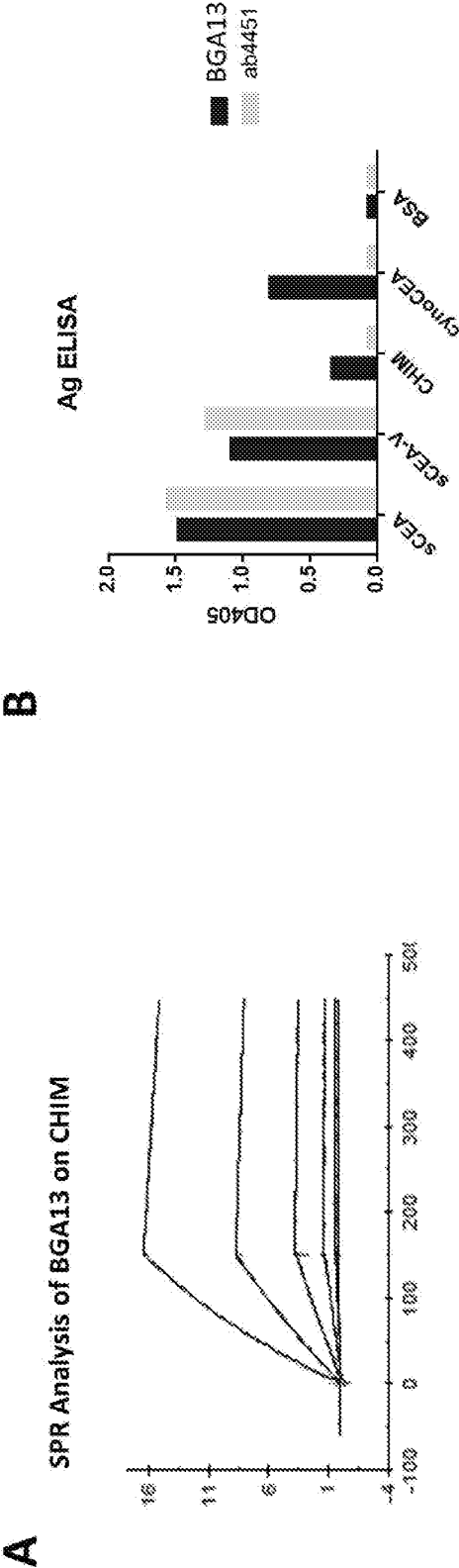


Figure 4A
5/55

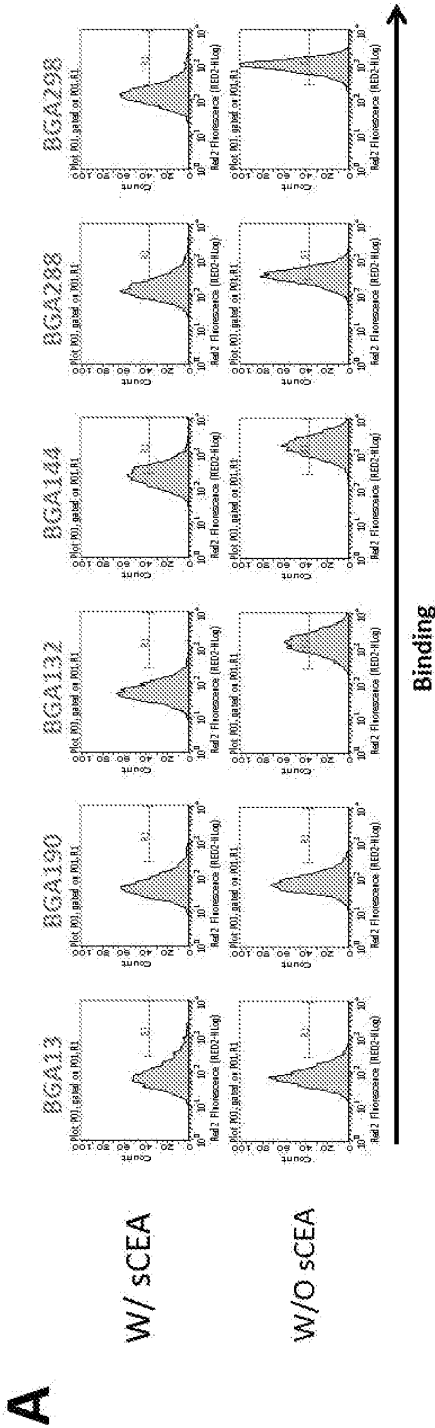
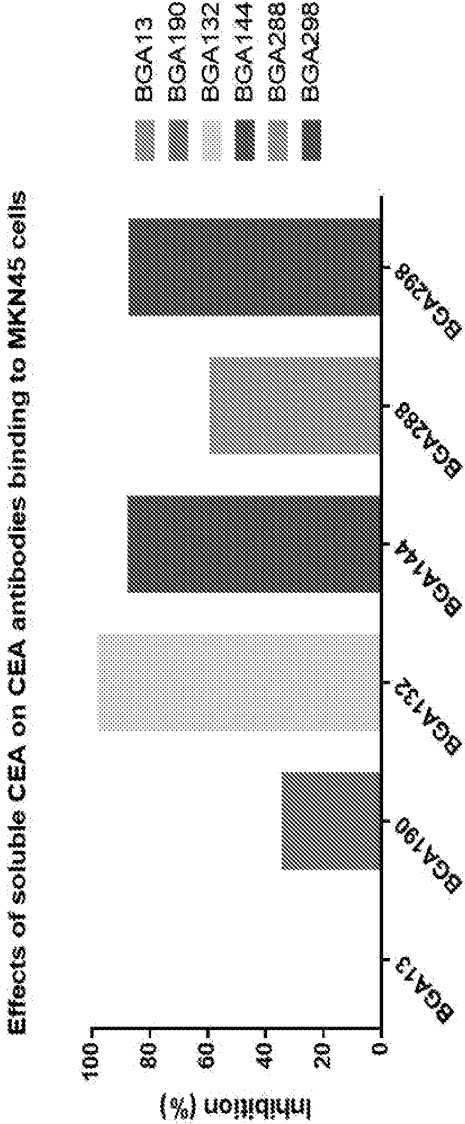


Figure 4B
6/55

B



Δ

	LCDR1					LCDR2				LCDR3								
31	32	33	40	41	42	70	71	72	73	130	131	132	133	134	135	136	137	138
E	N	I	Y	G	Y	N	A	K	N	Q	H	H	Y	G	T	P	Y	T

HCDR1					HCDR2					HCDR3																	
31	32	33	39	40	41	60	64	65	66	67	68	69	70	71	72	74	75	76	119	120	127	128	129	130	131	132	133
Y	I	F	T	S	Y	G	Y	I	N	P	Q	T	G	Y	T	S	Y	A	E	Y	G	N	Y	N	Y	P	L

Figure 6
8/55

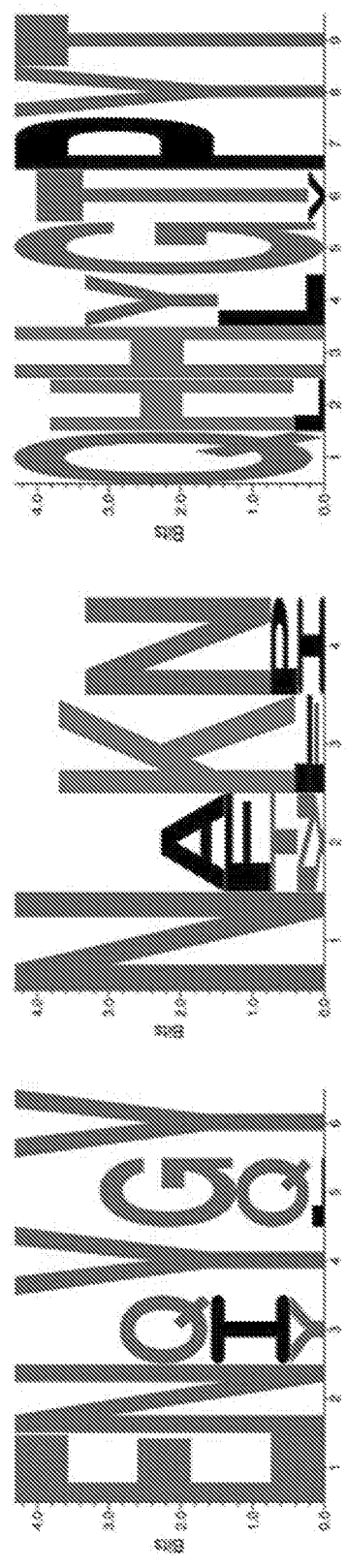


Figure 7
9/55

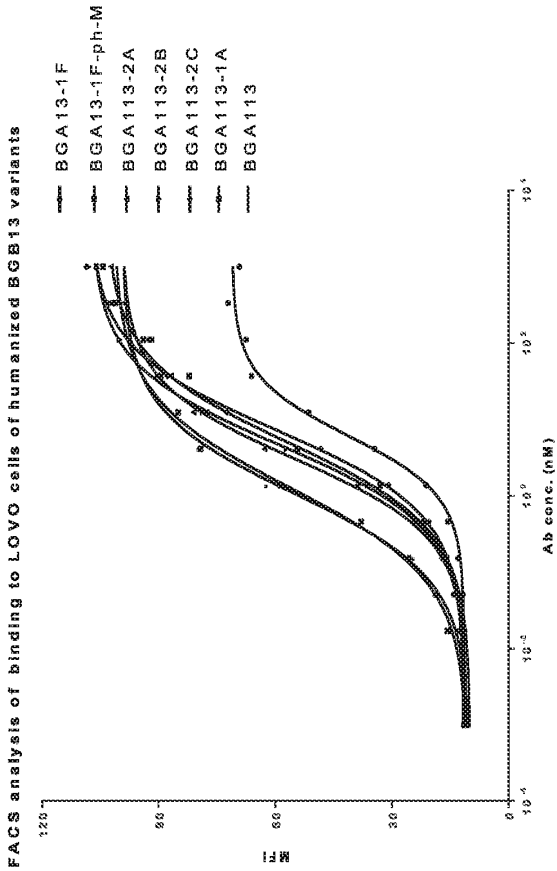


Figure 8
10/55

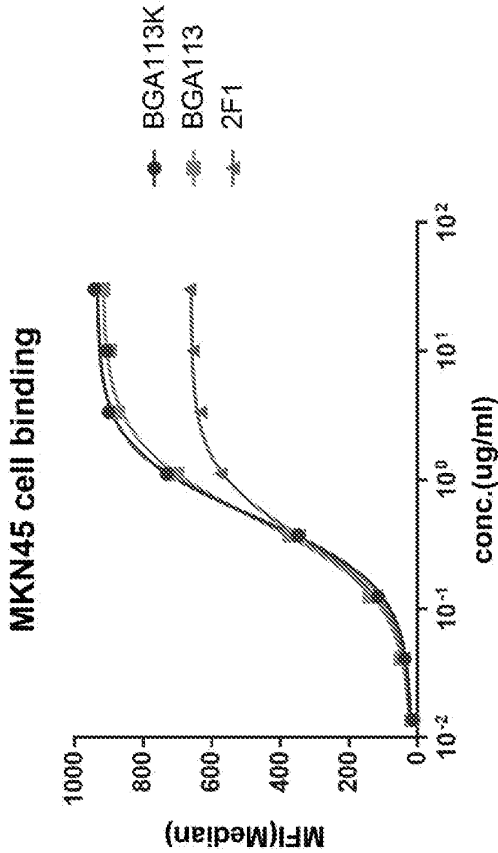


Figure 9A-B
11/55

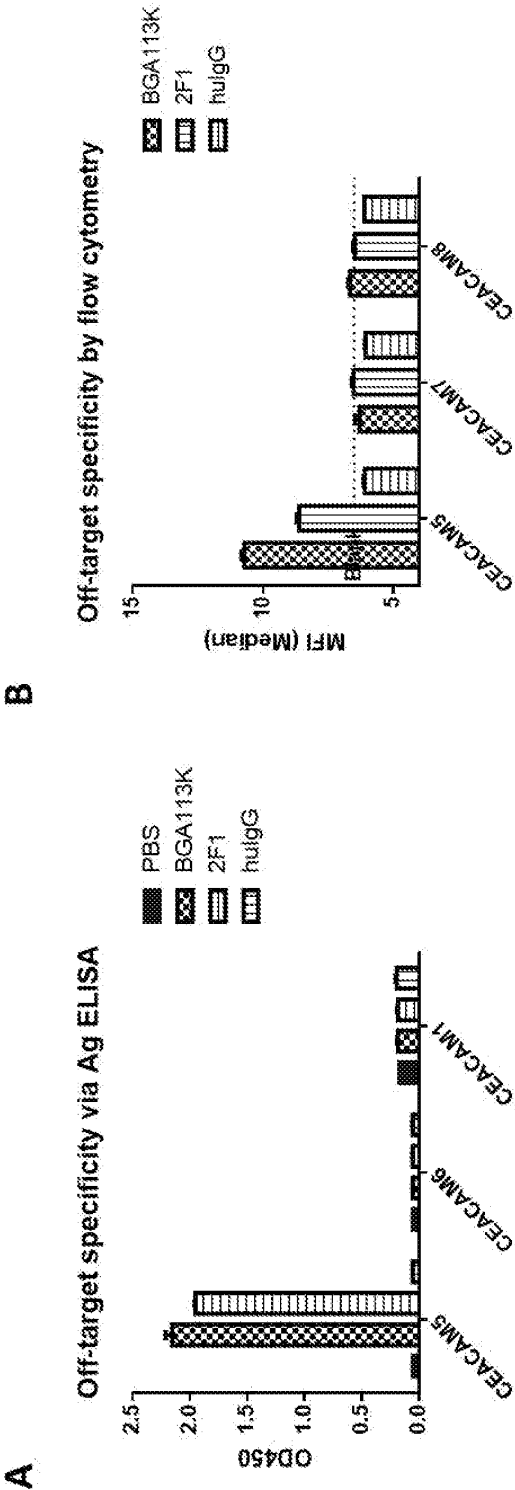


Figure 10
12/55

MKN45 (with or w/o recombinant sCEA) cell binding

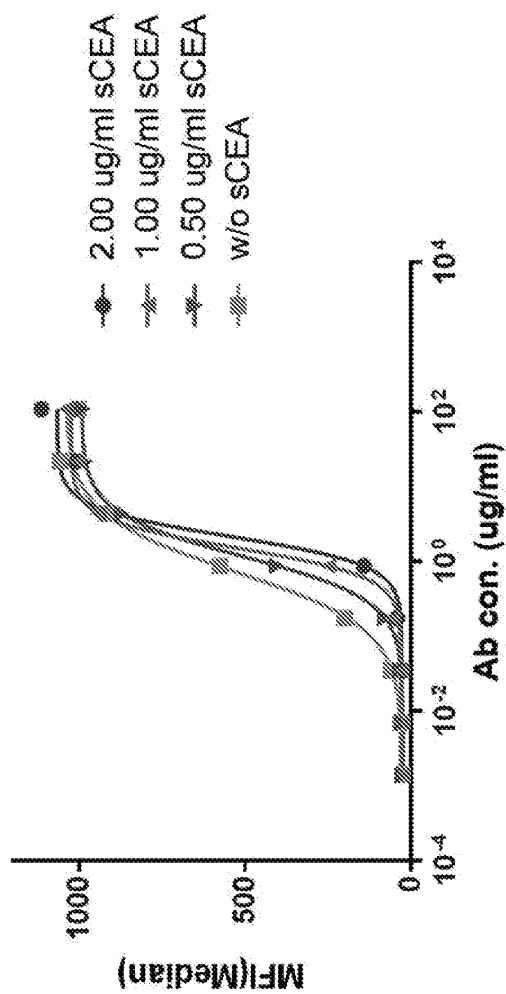


Figure 11
13/55

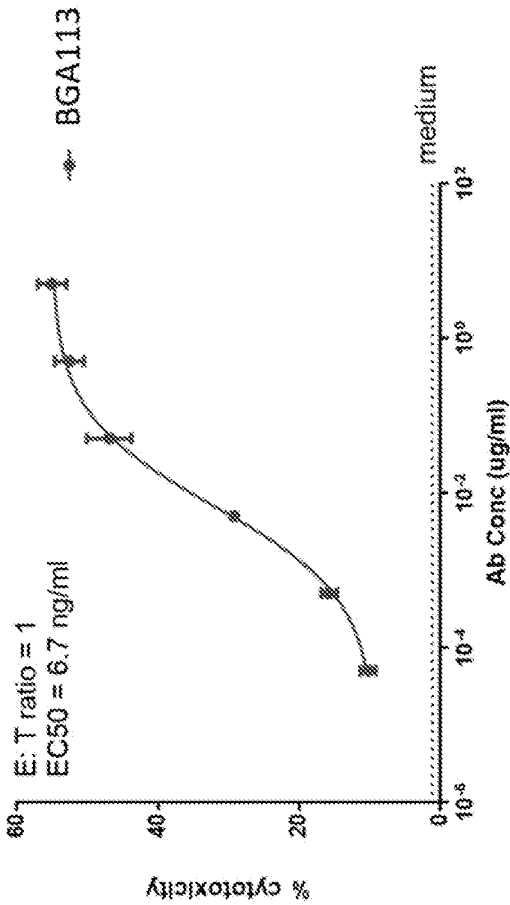


Figure 12
14/55

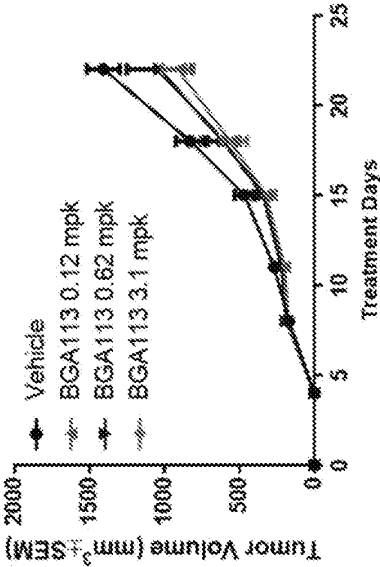
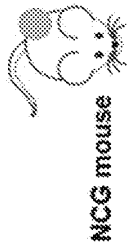
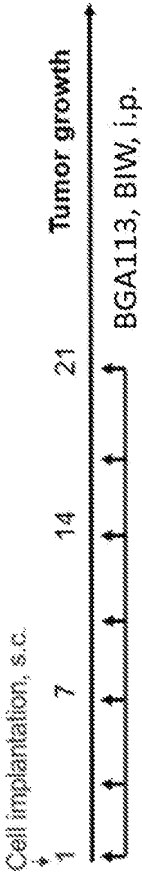


Figure 13A
15/55

Library	Positive clones
HC-8	7
HC-9	8
HC-10	37
HC-11	6
HC-12	7
HC-13	21
HC-14	7
total	93

Figure 13B
16/55

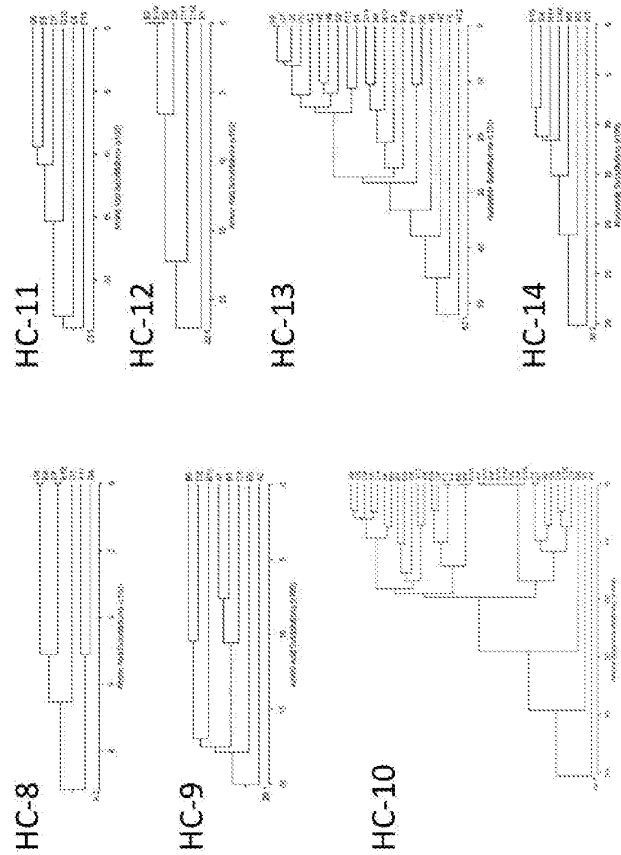


Figure 14A-C
17/55

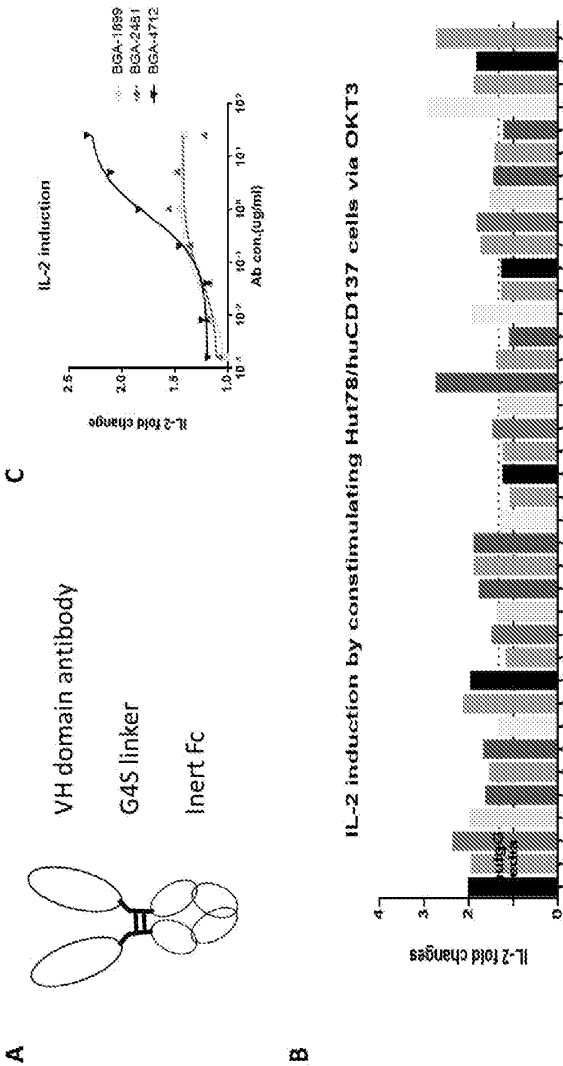


Figure 15A-B
18/55

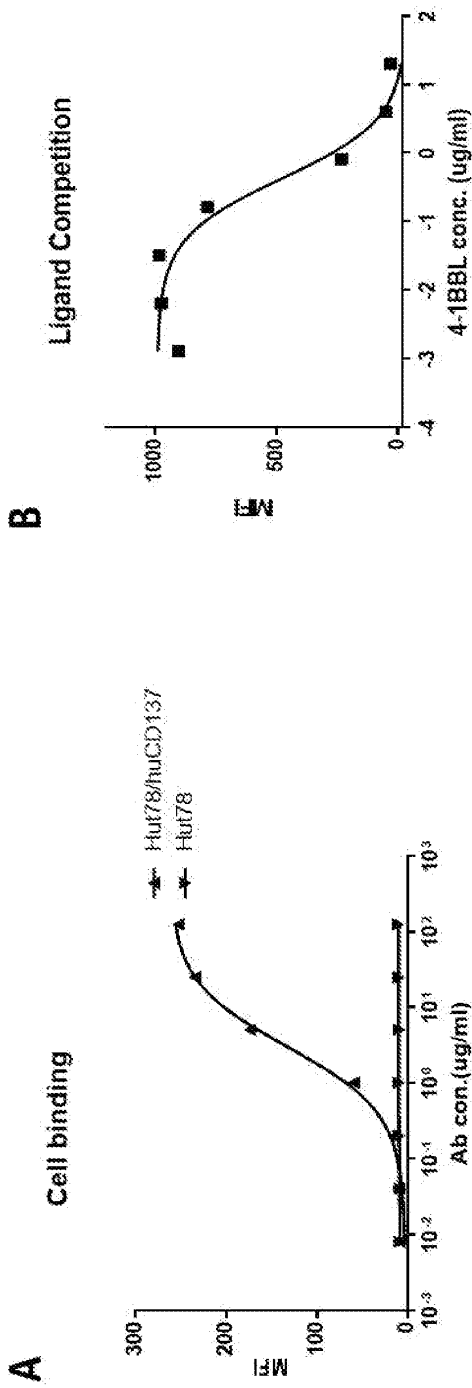


Figure 16A-D
19/55

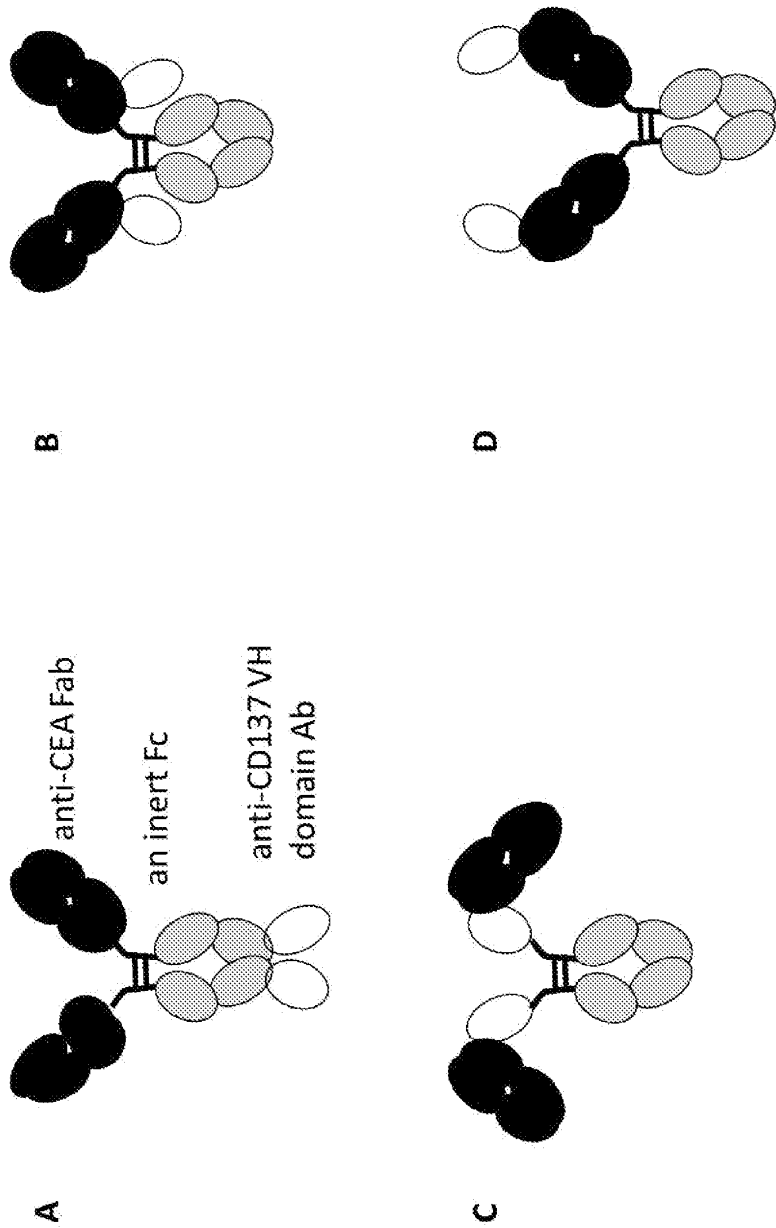
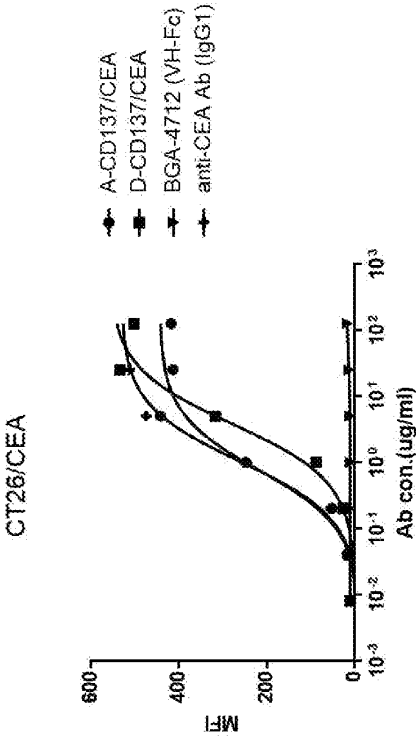


Figure 17A-B
20/55

A



B

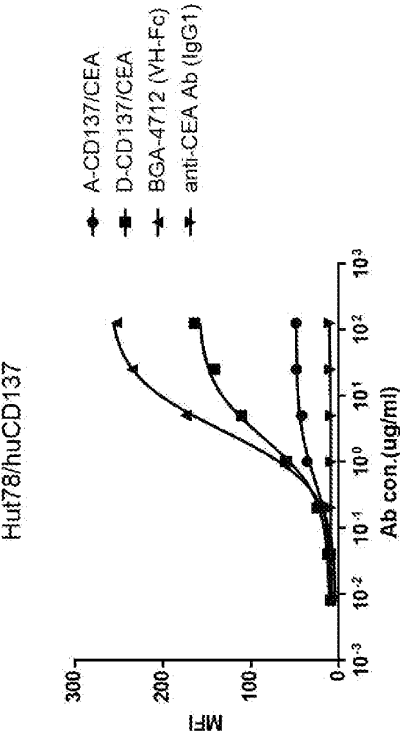


Figure 18A-B
21/55

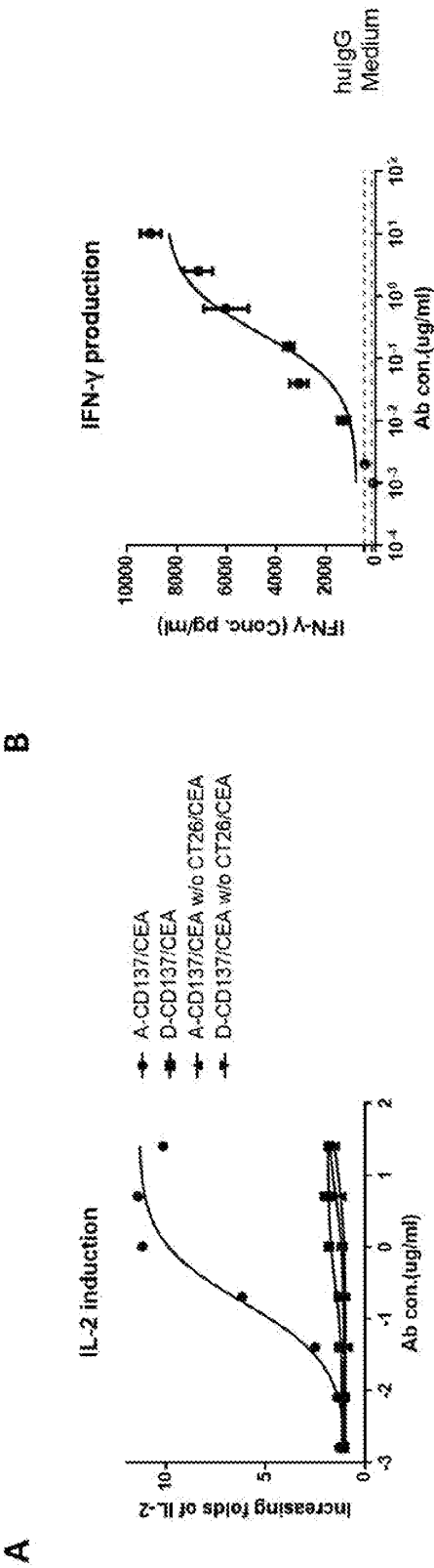


Figure 19
22/55

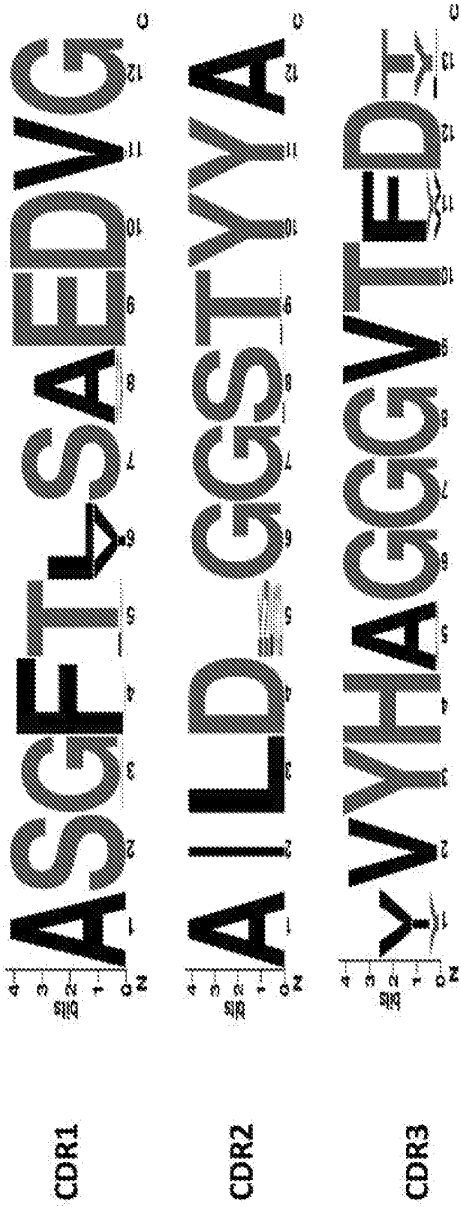


Figure 20
23/55

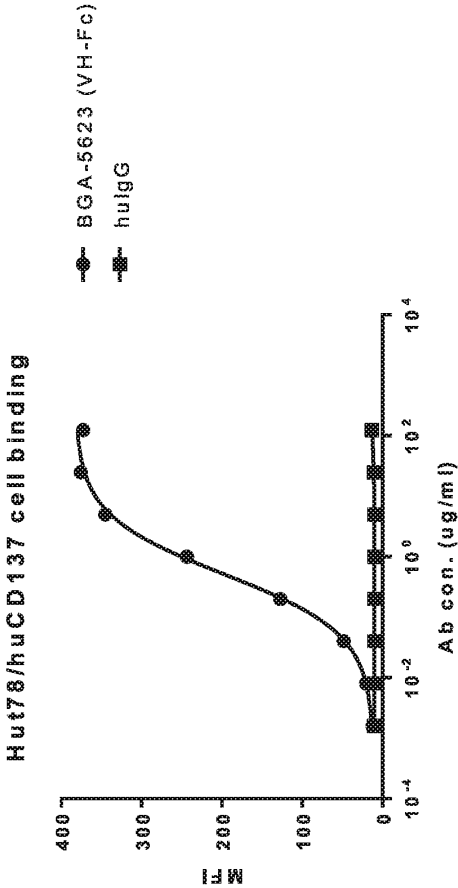


Figure 21
24/55

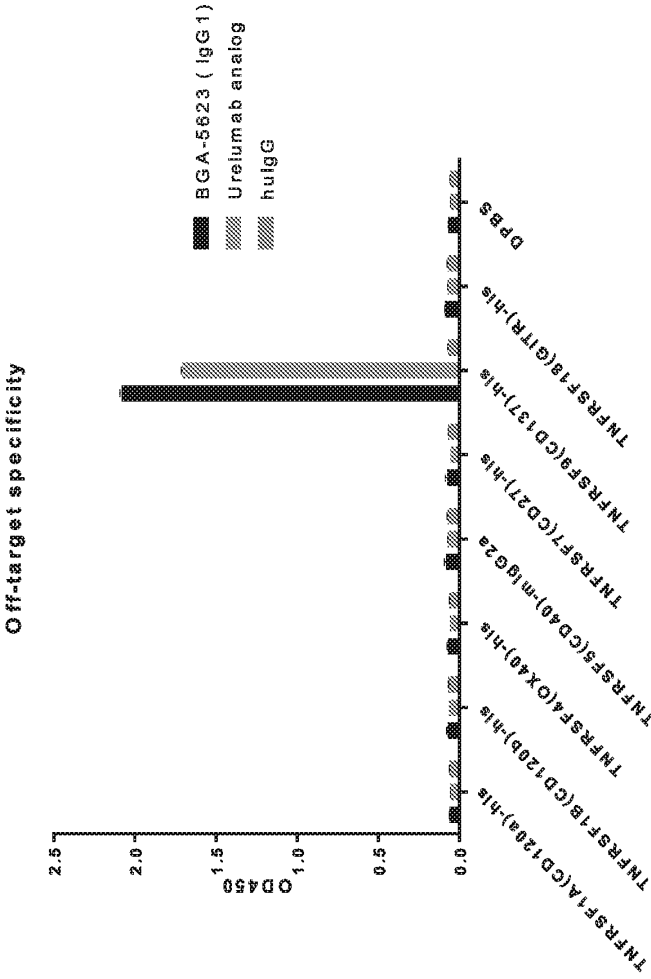


Figure 22A-B
25/55

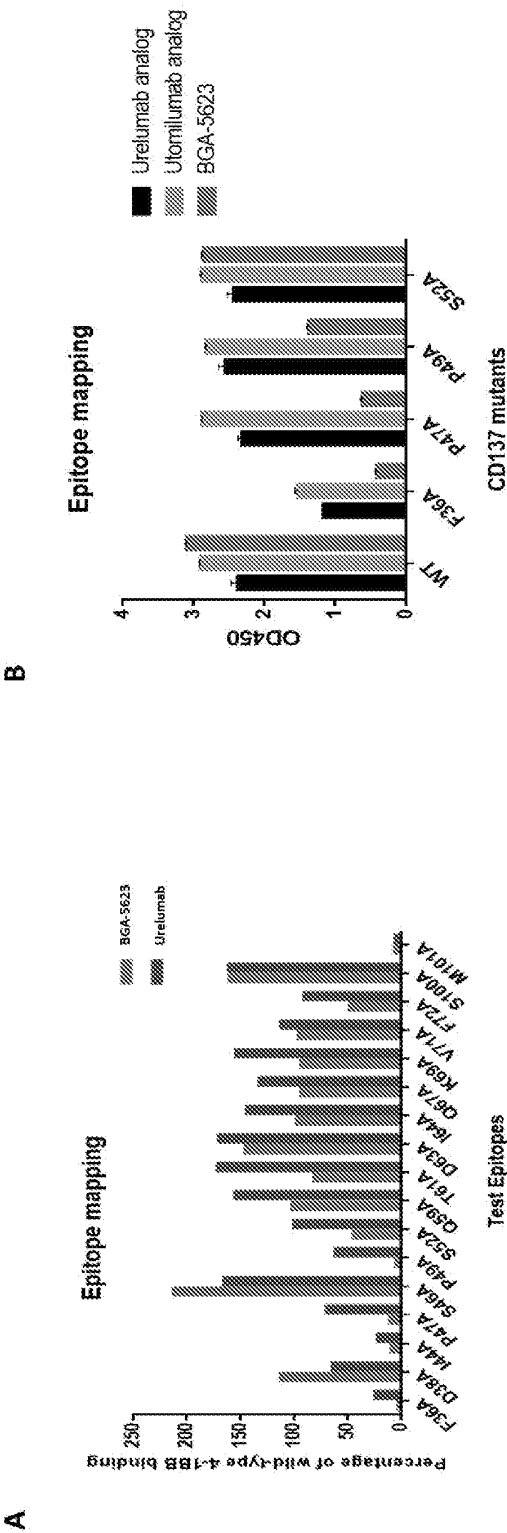
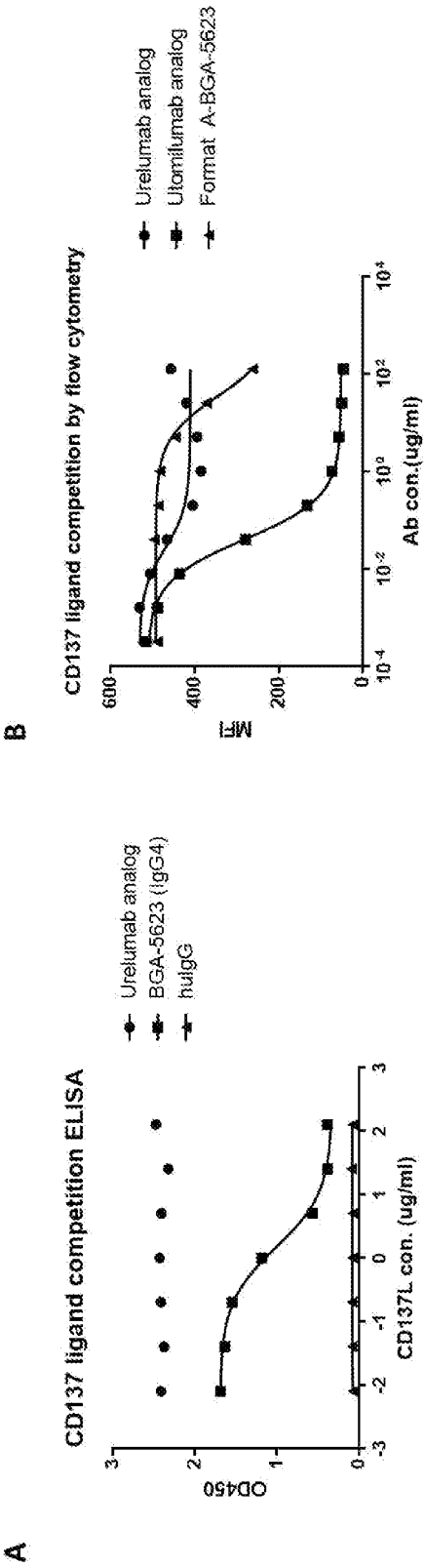
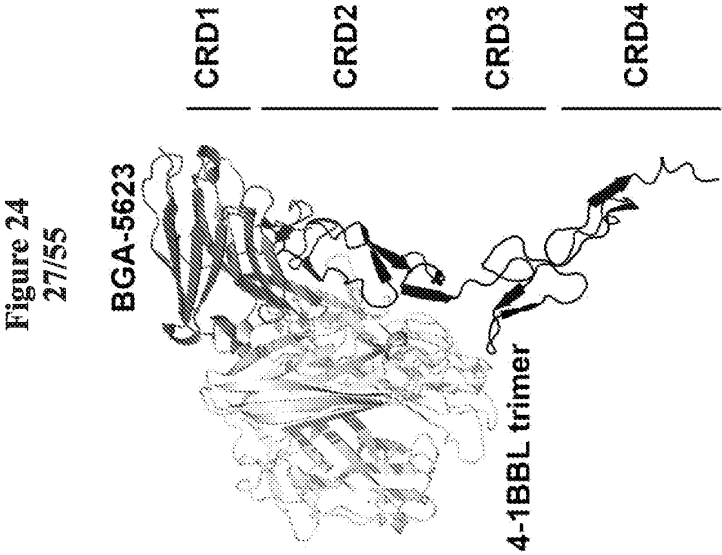


Figure 23A-B
26/55





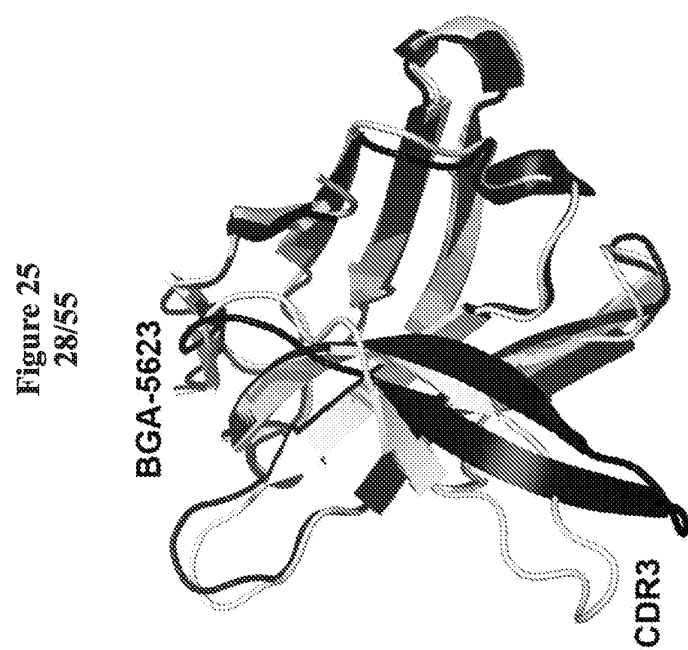


Figure 26
29/55

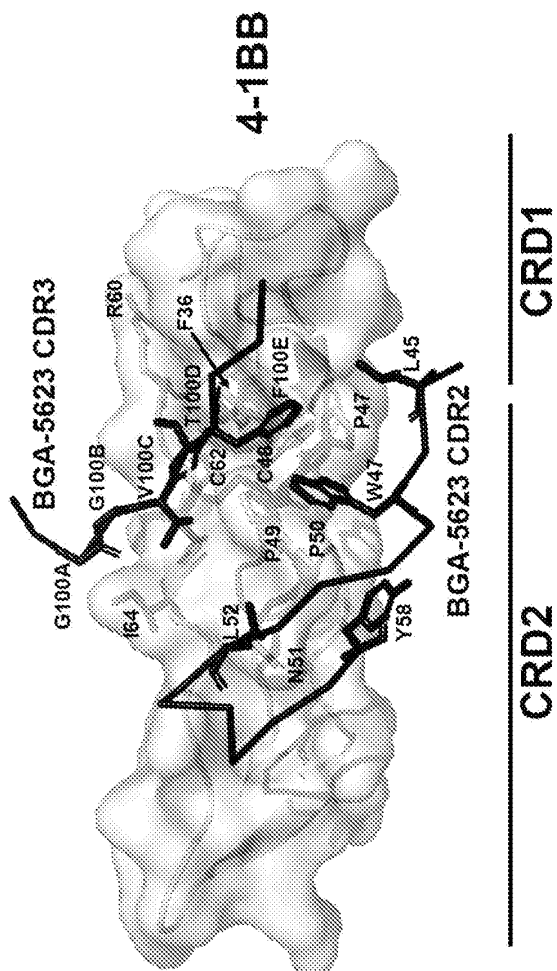


Figure 27
30/55

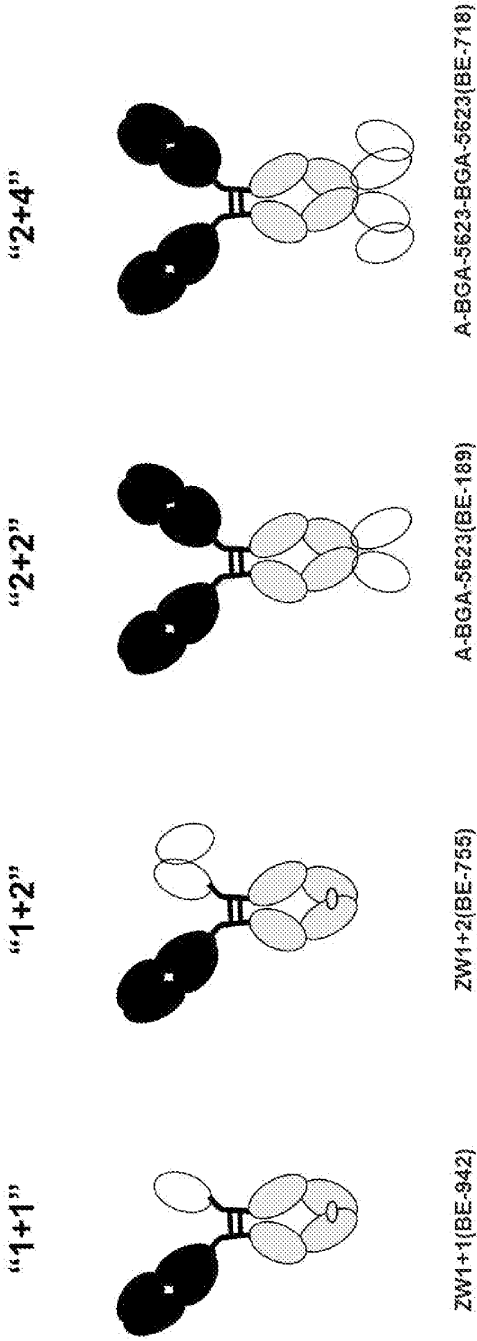


Figure 28A-B
31/55

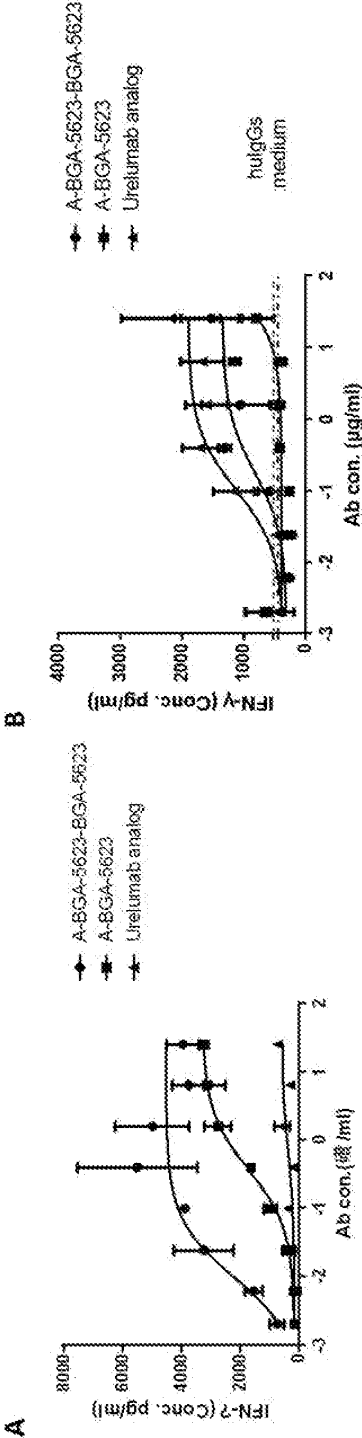


Figure 29
32/55

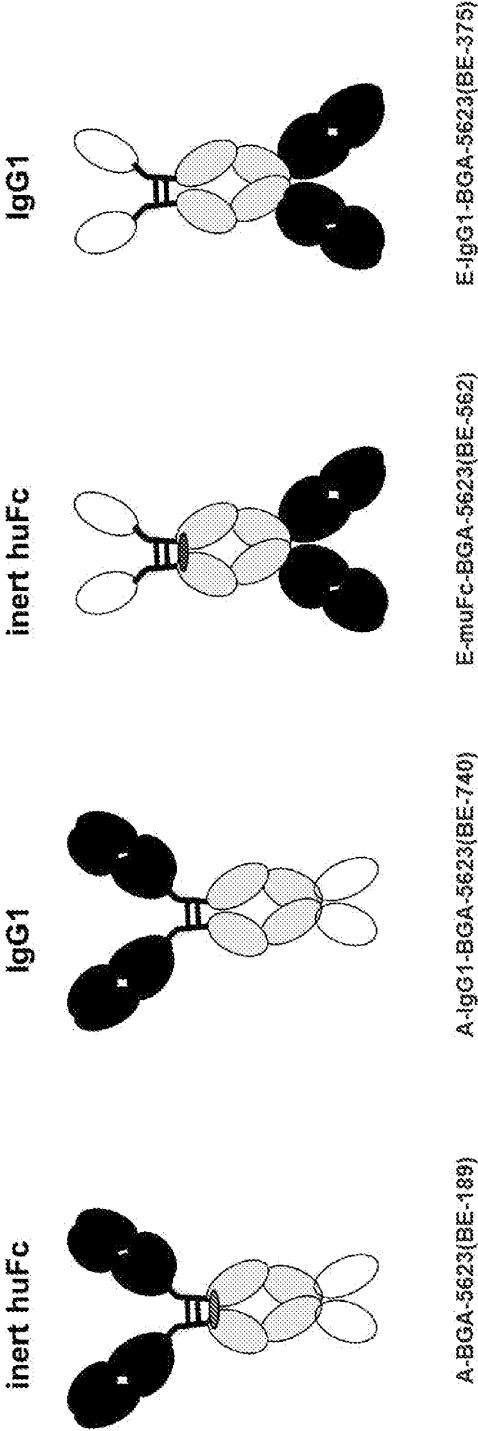


Figure 30A-B
33/55

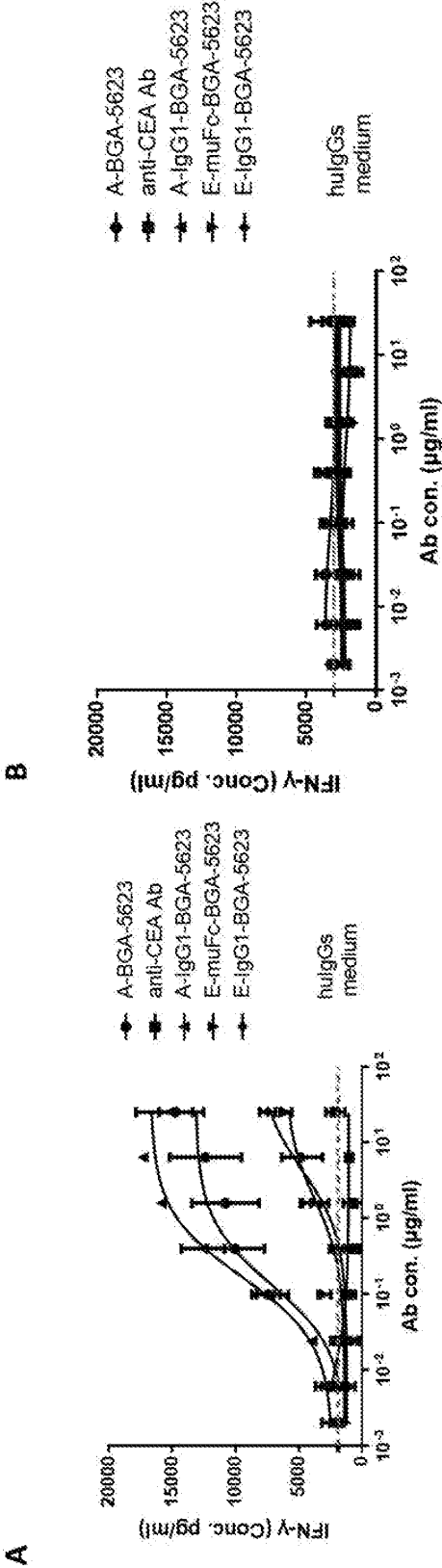


Figure 31
34/55

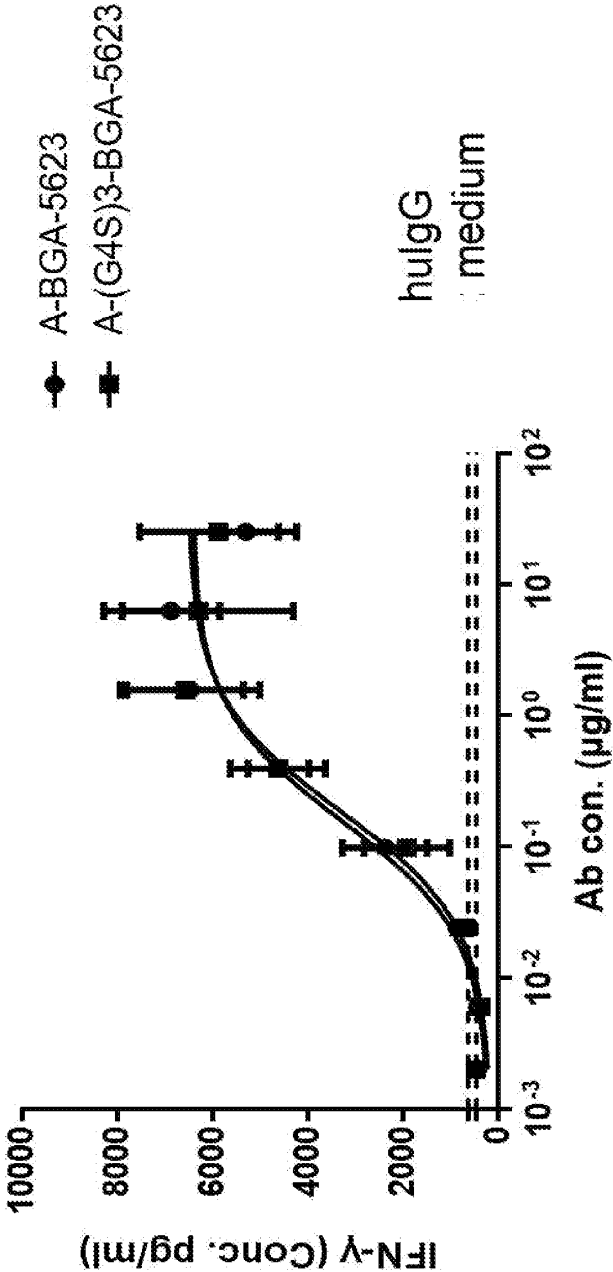


Figure 32A-D
35/55

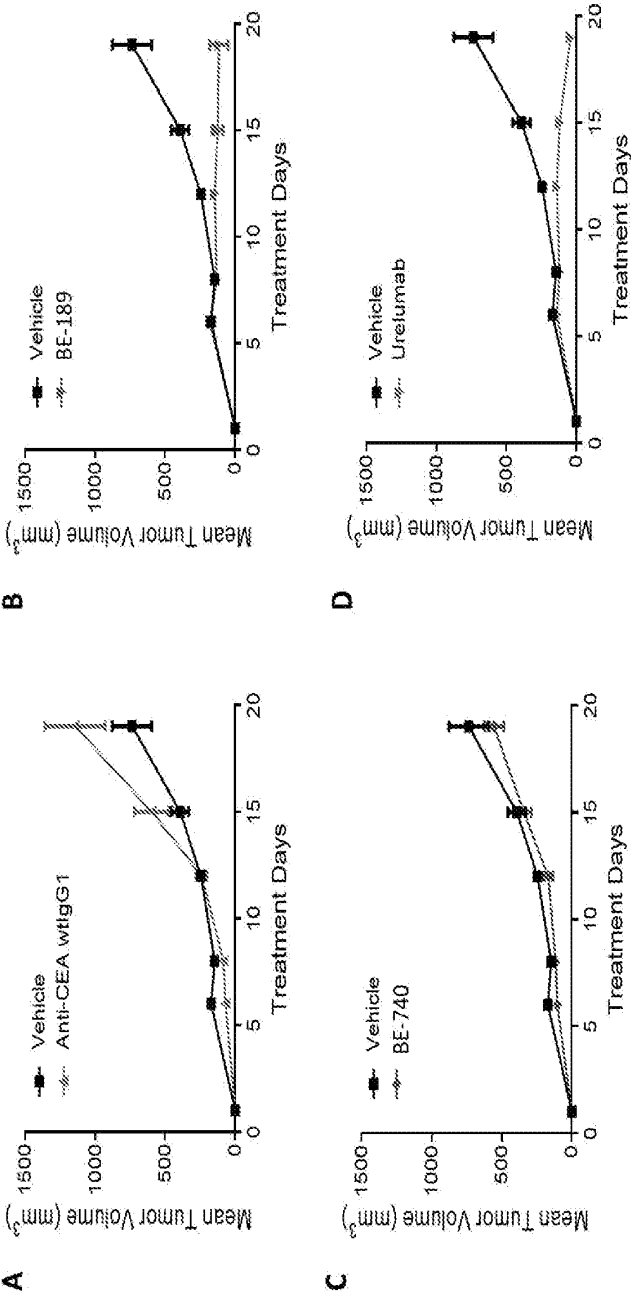


Figure 33
36/55

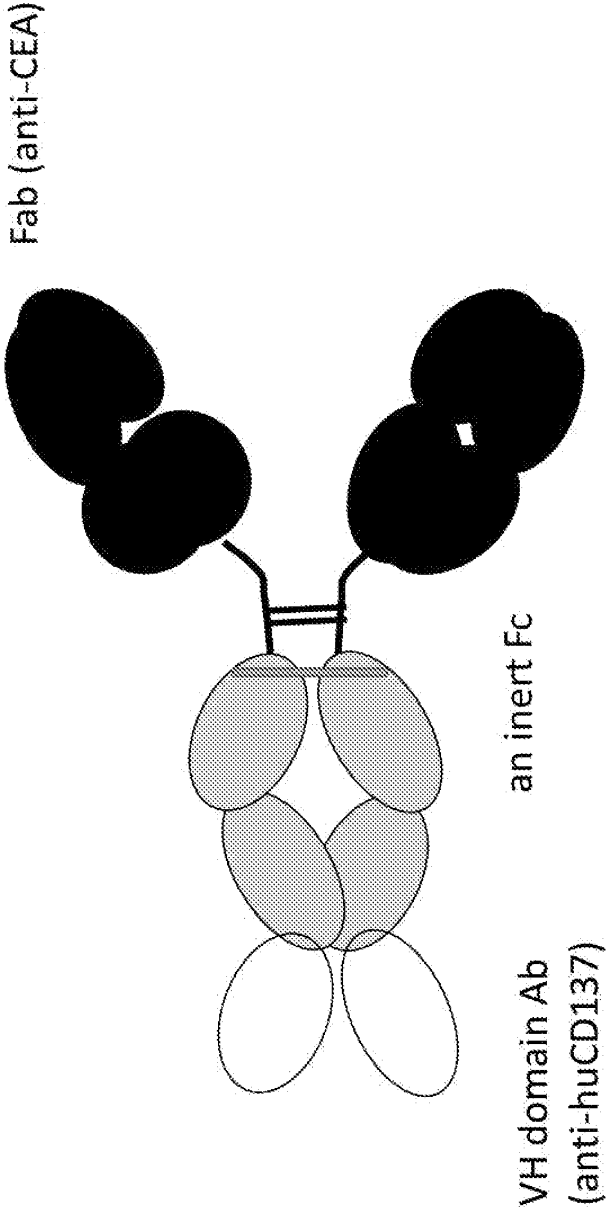


Figure 34A-B
37/55

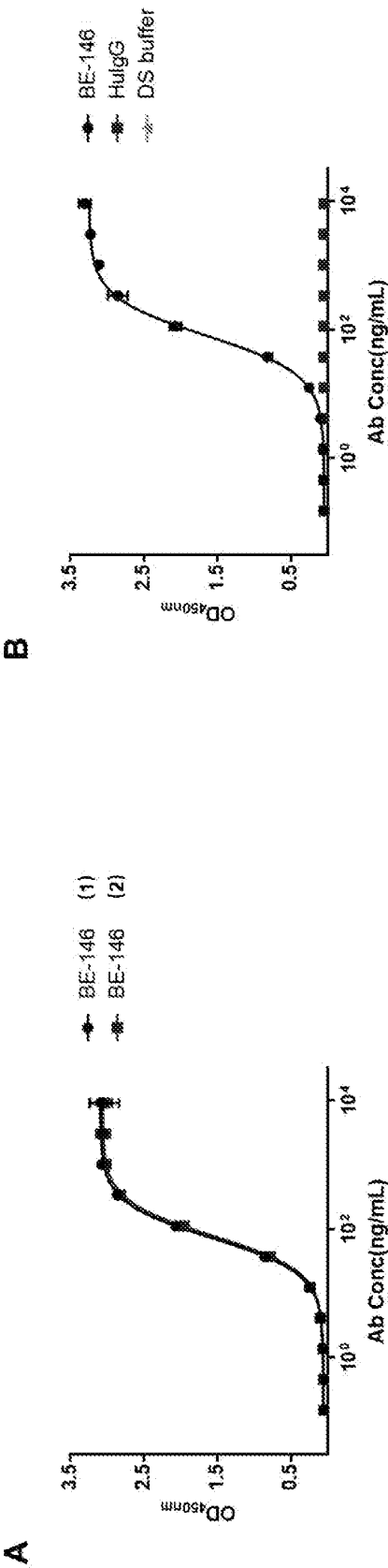


Figure 35
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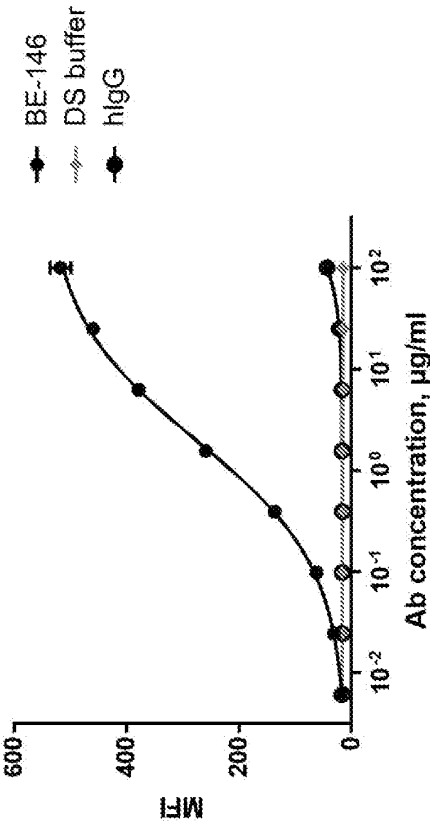


Figure 36
39/55

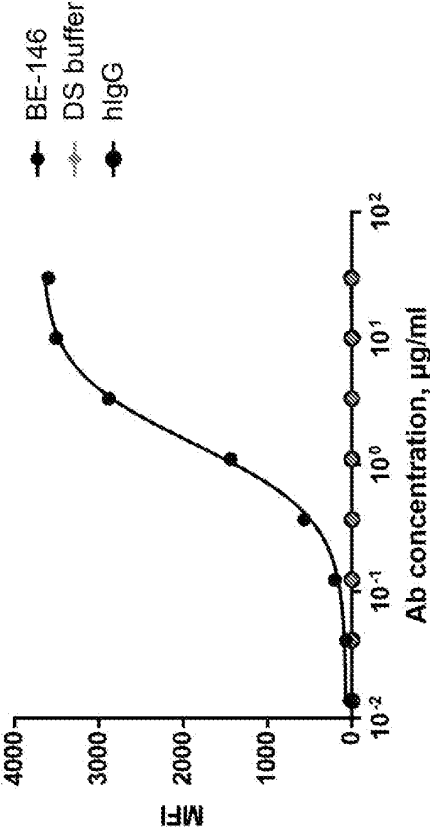


Figure 37
40/55

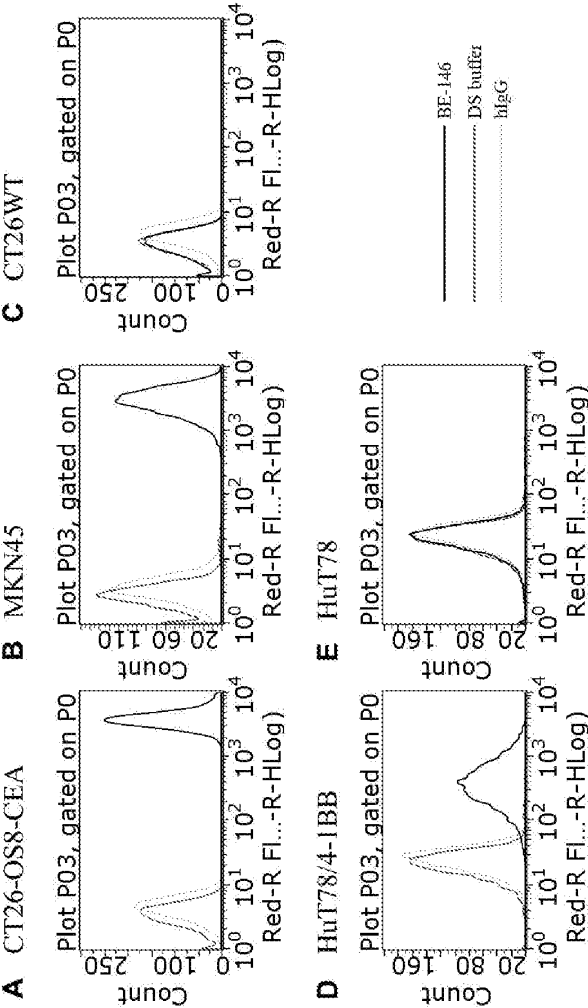


Figure 38A-C
41/55

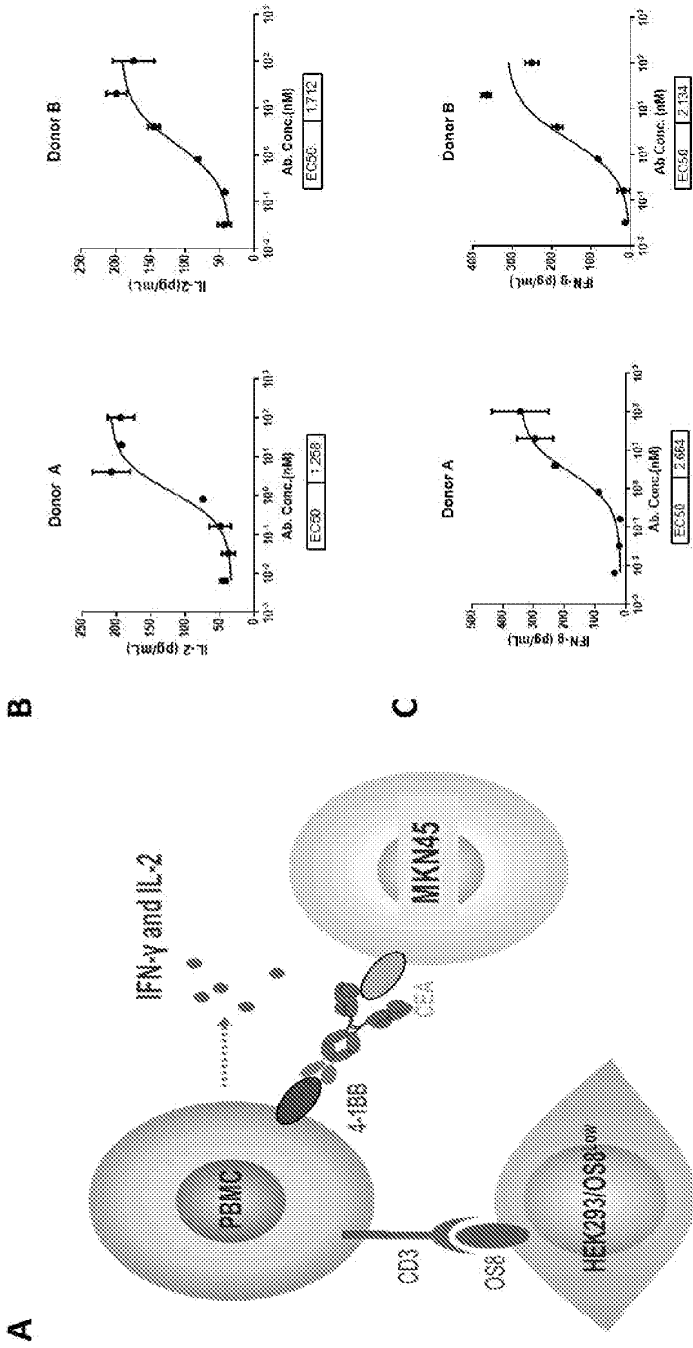


Figure 39A-B
42/55

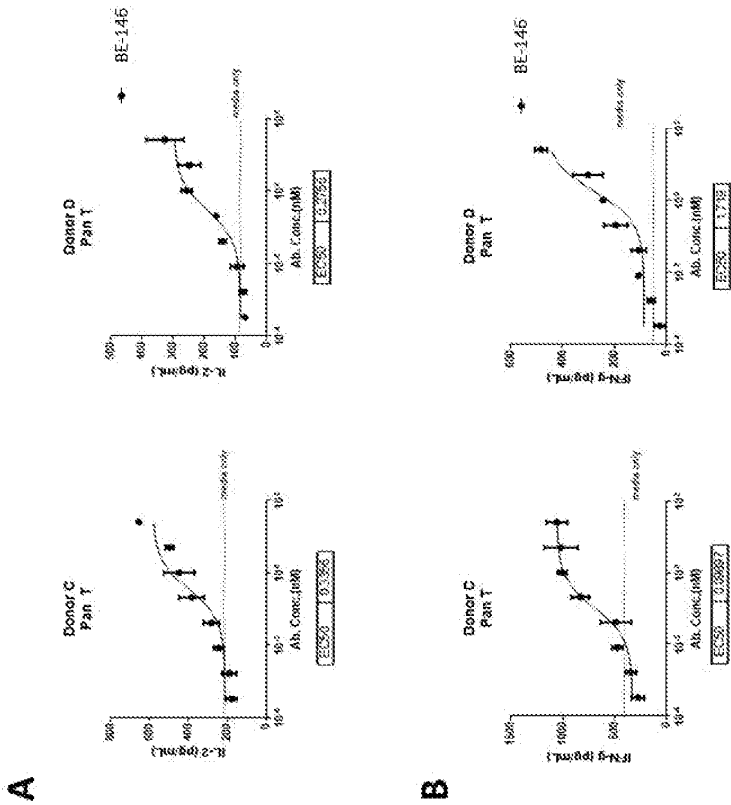
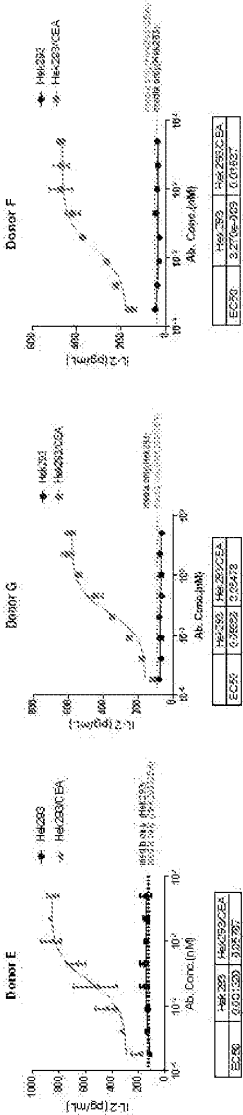


Figure 40A-B
43/55

A



B

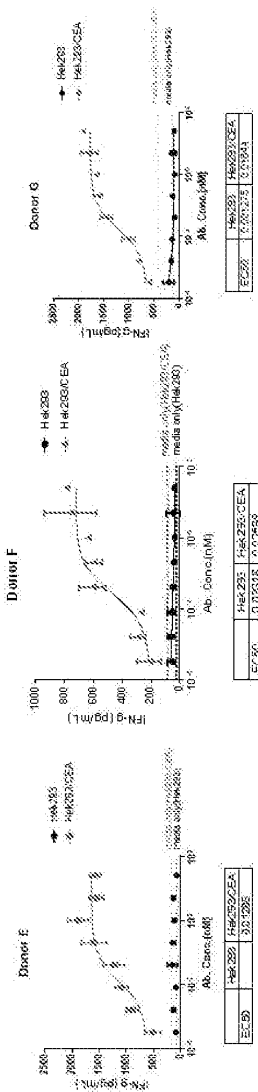
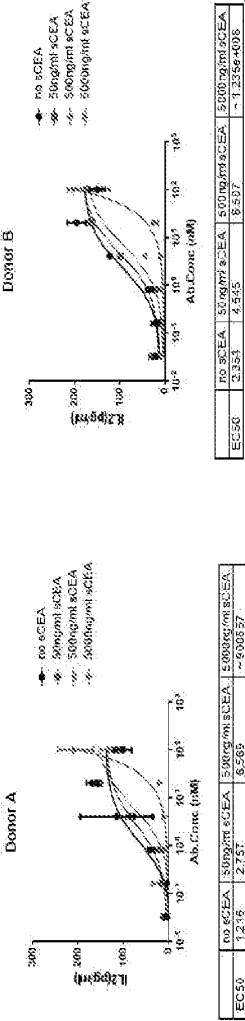


Figure 41A-B
44/55

A



B

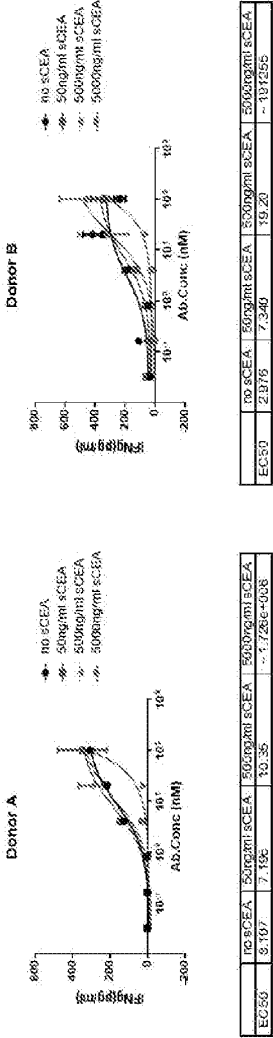


Figure 42
45/55

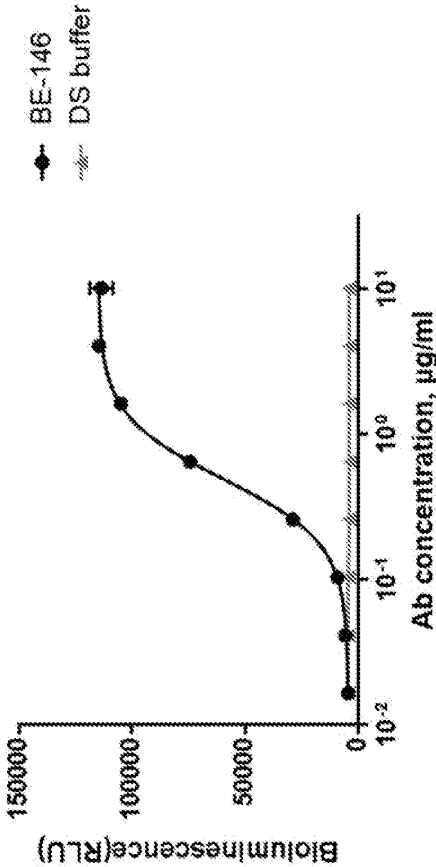


Figure 43A-B
46/55

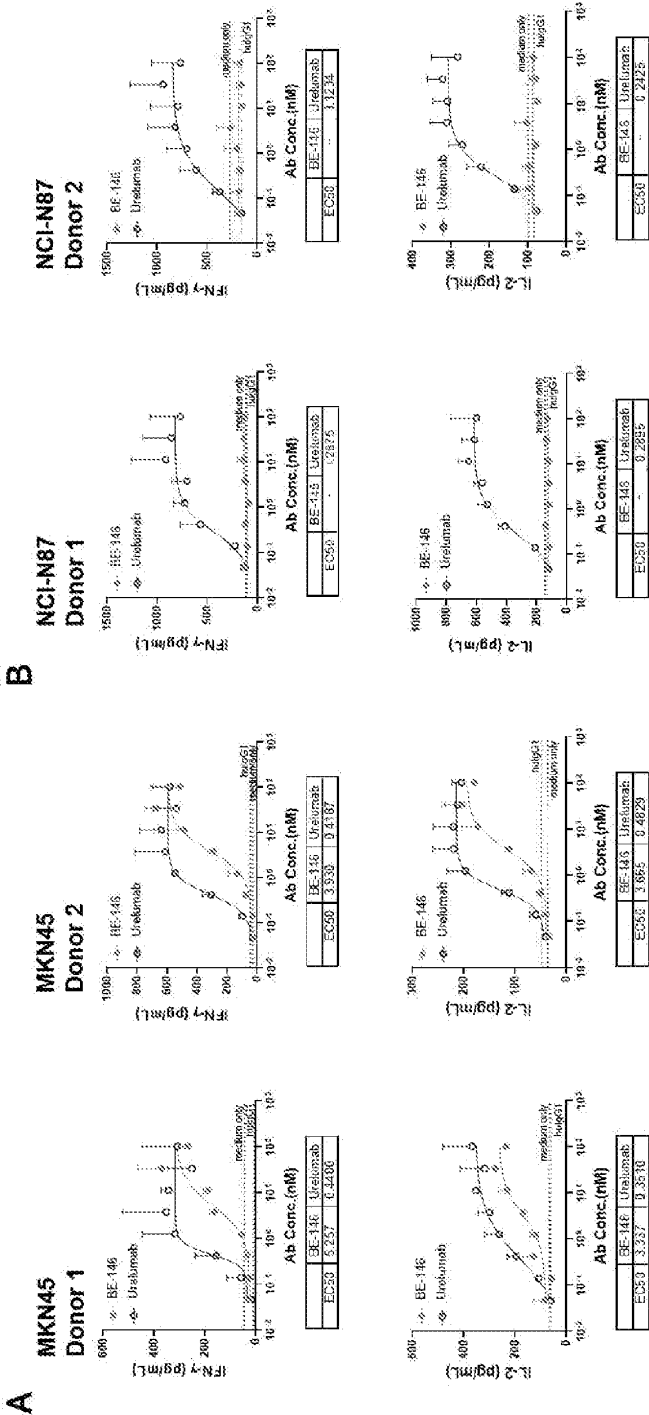


Figure 44
47/55

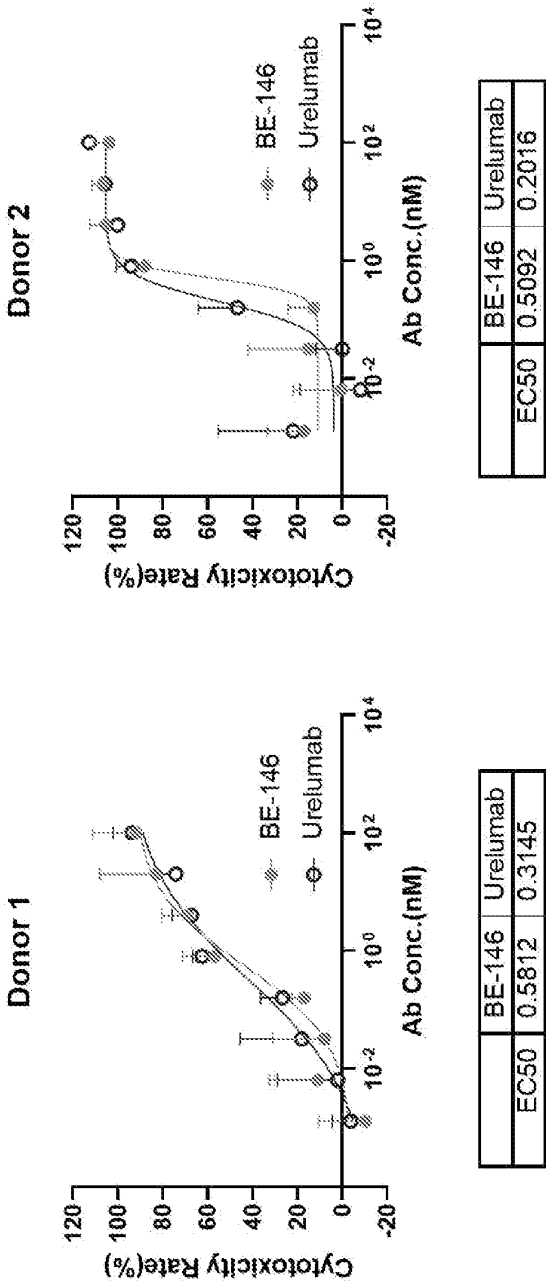


Figure 45
48/55

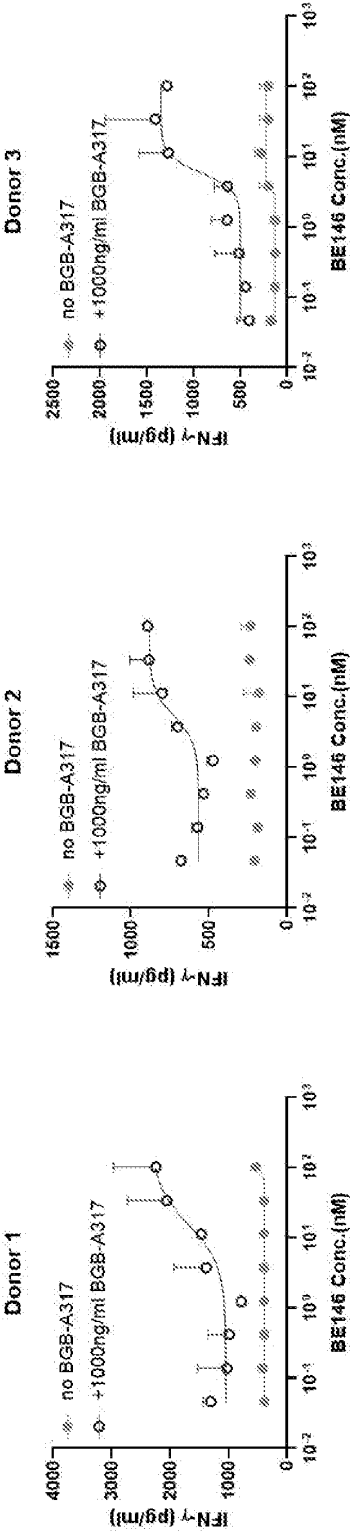


Figure 46A
49/55

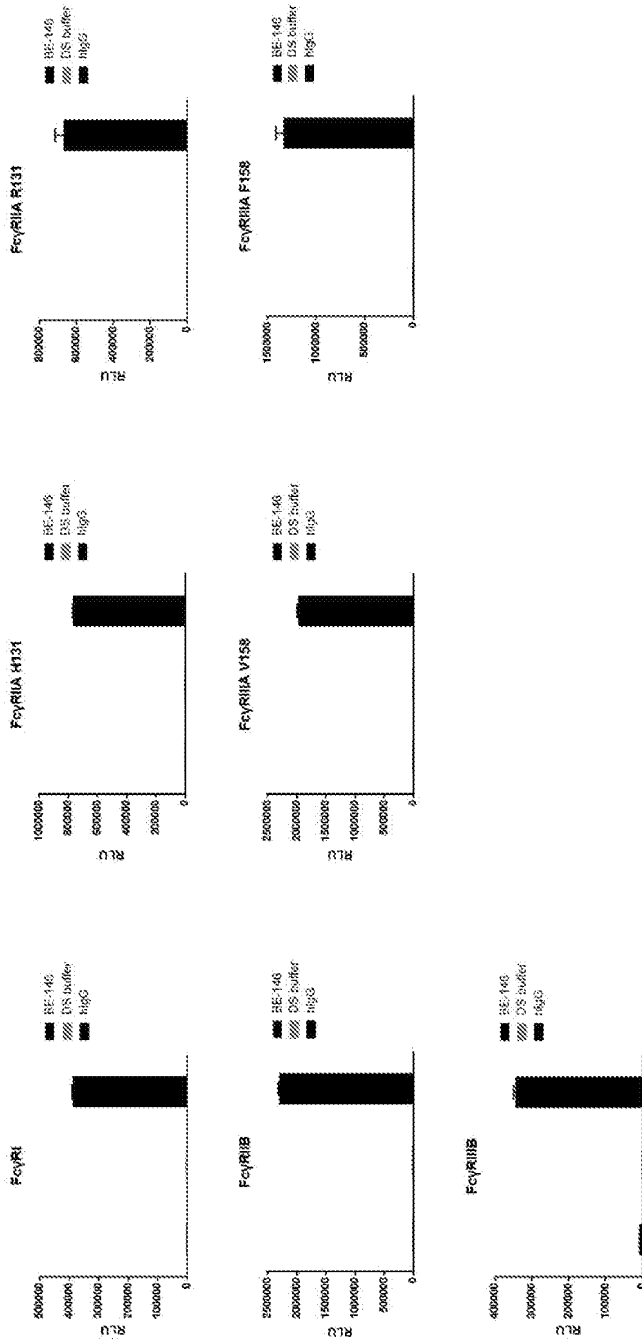


Figure 46B
50/55

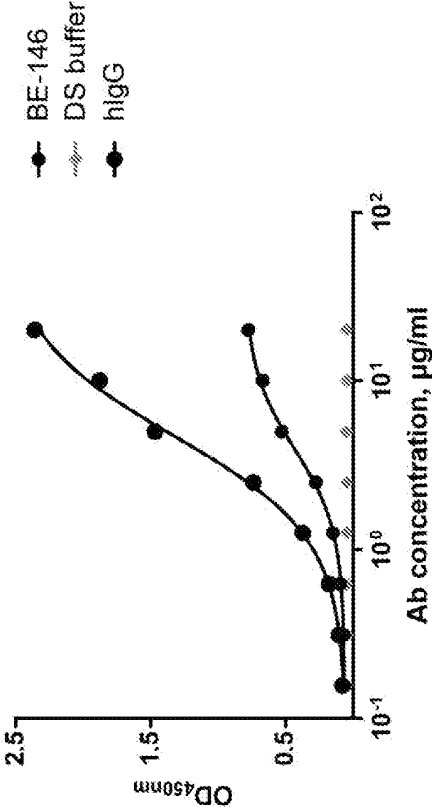


Figure 47
51/55

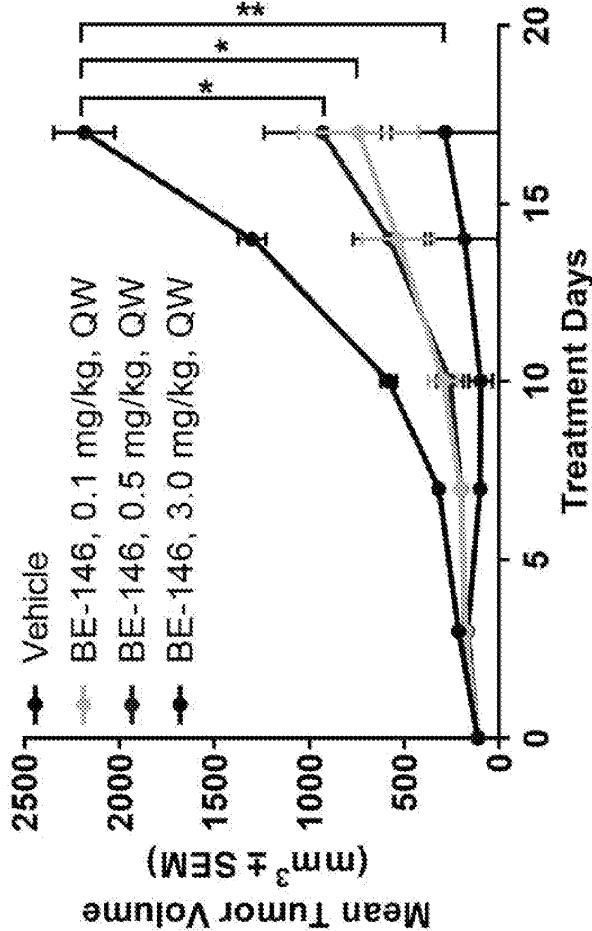


Figure 48
52/55

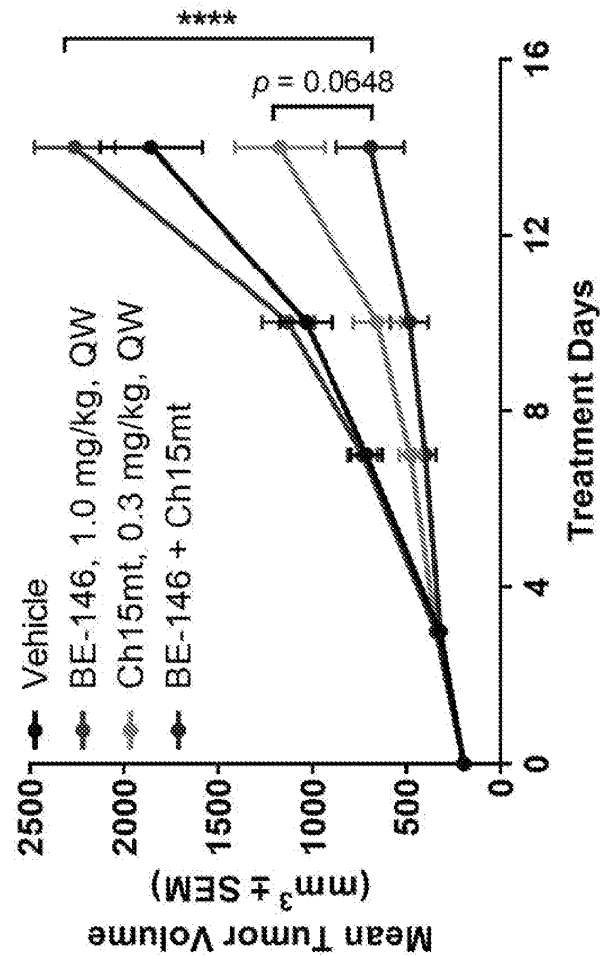


Figure 49
53/55

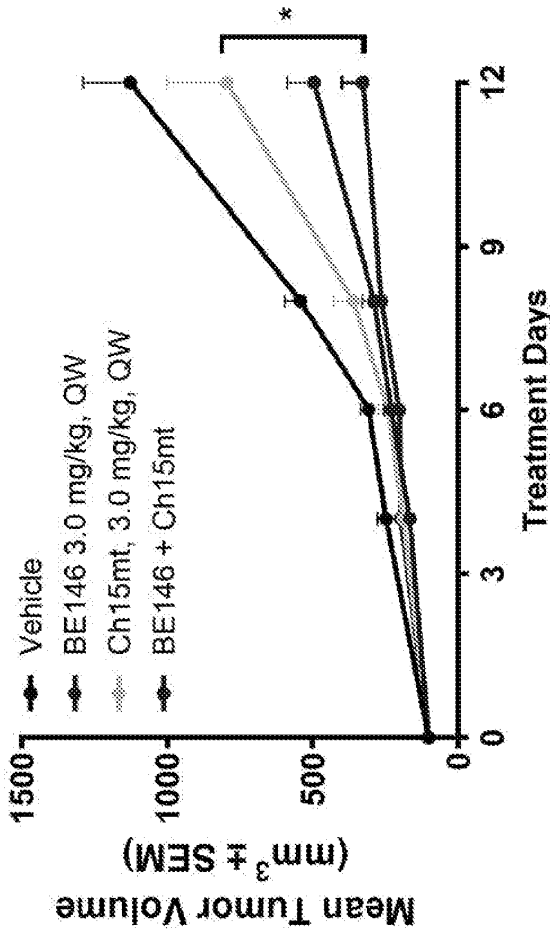


Figure 50
54/55

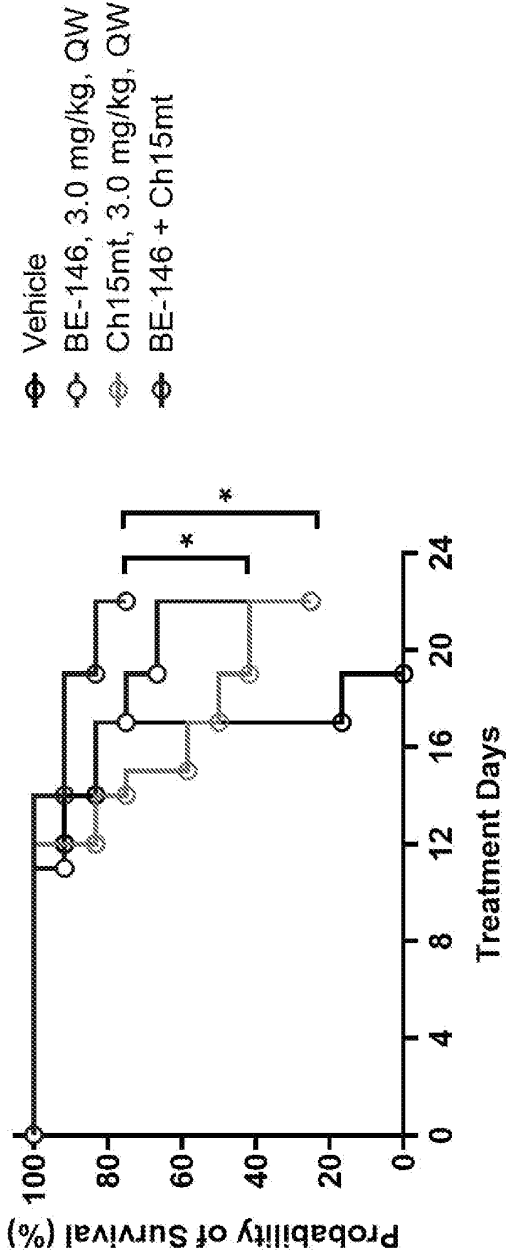


Figure 51
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