

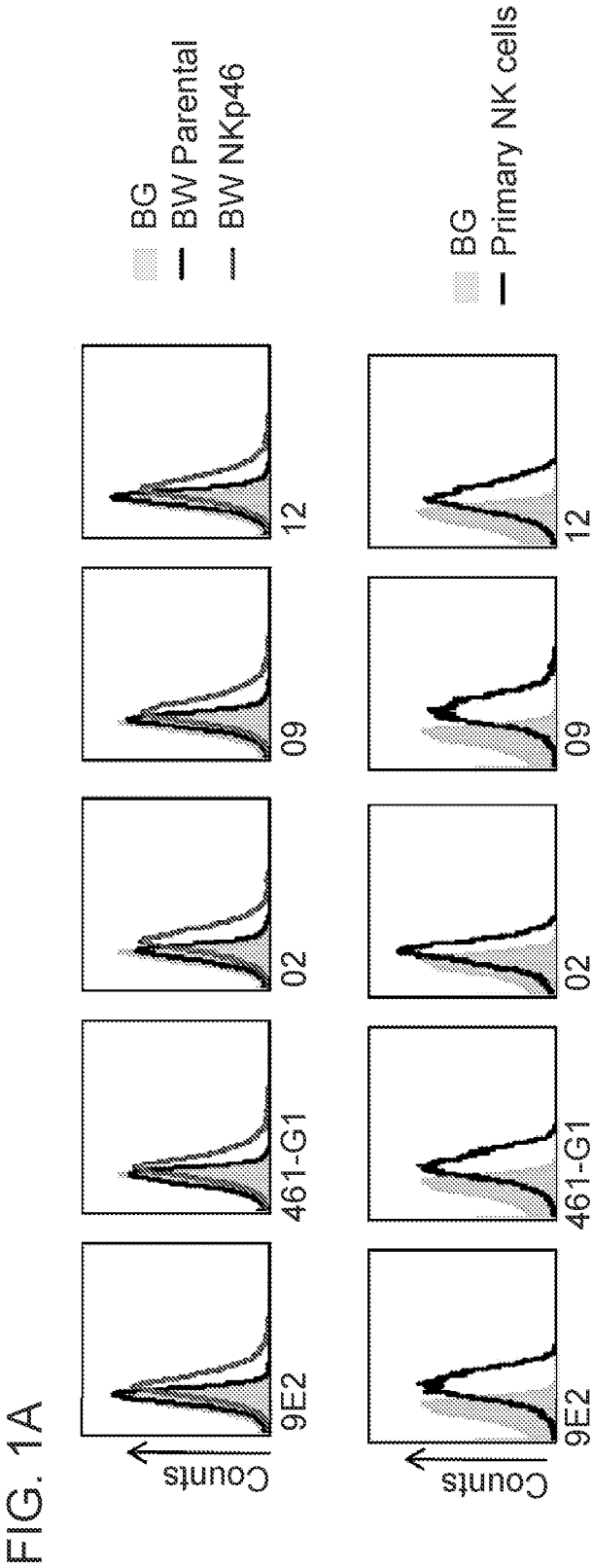
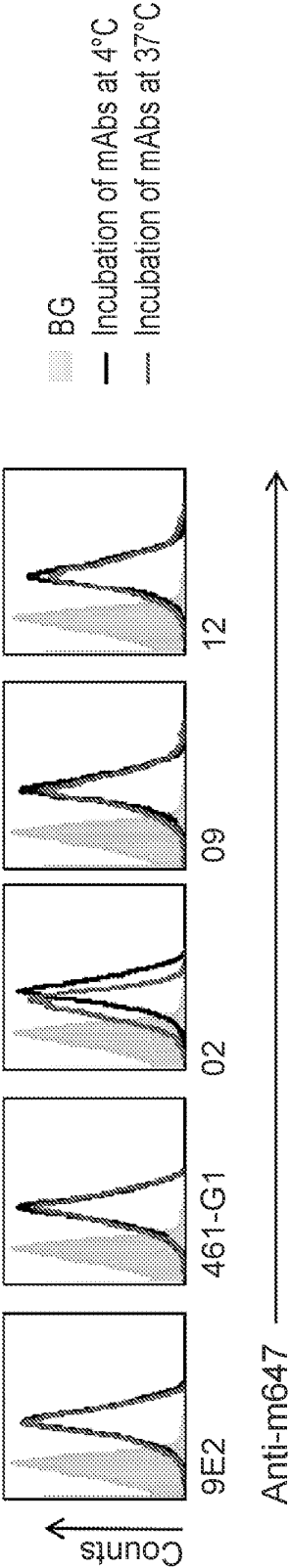


FIG. 3



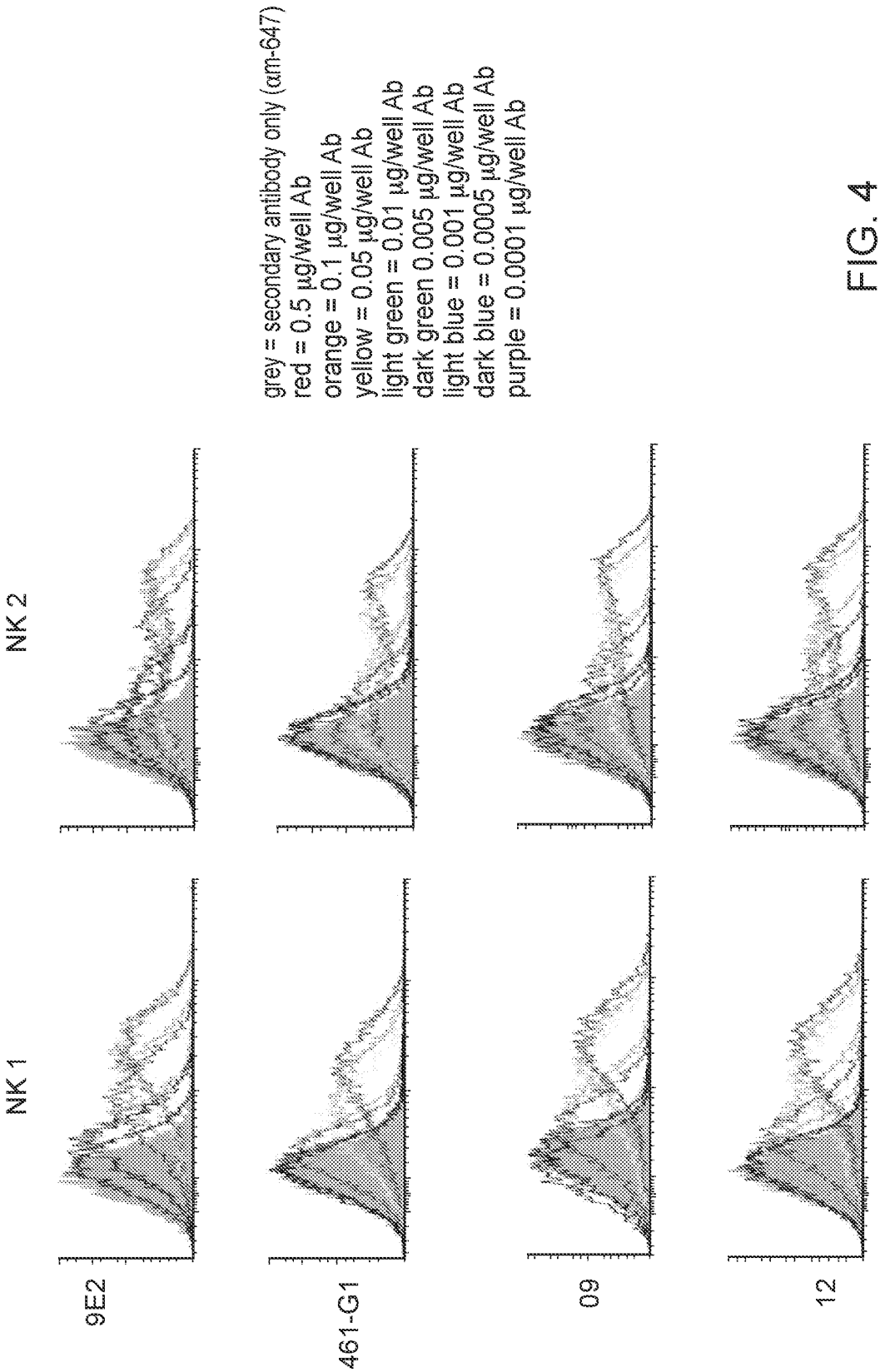


FIG. 5

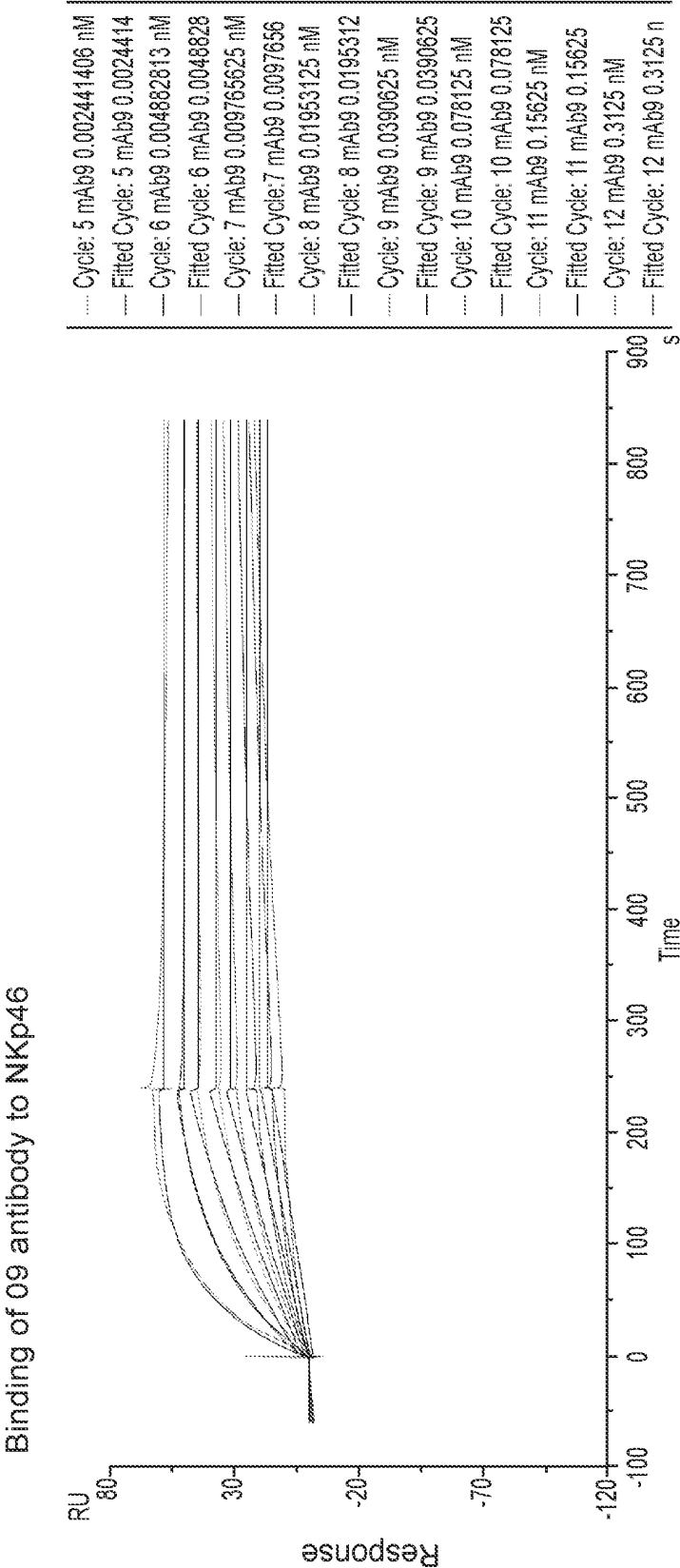


FIG. 6

Binding of 12 antibody to NKp46

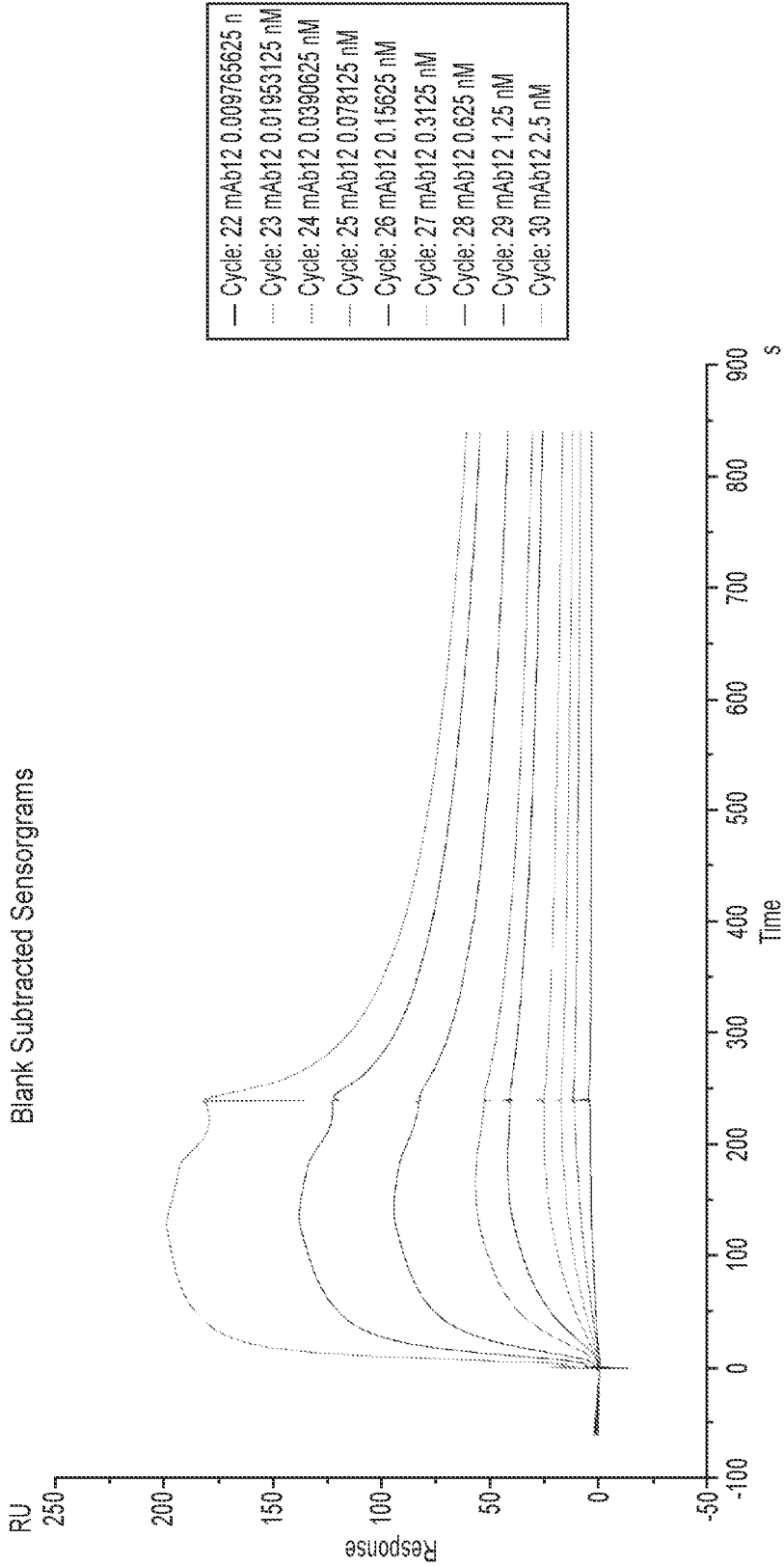


FIG. 7A

Heavy Chain Variable Region Alignment

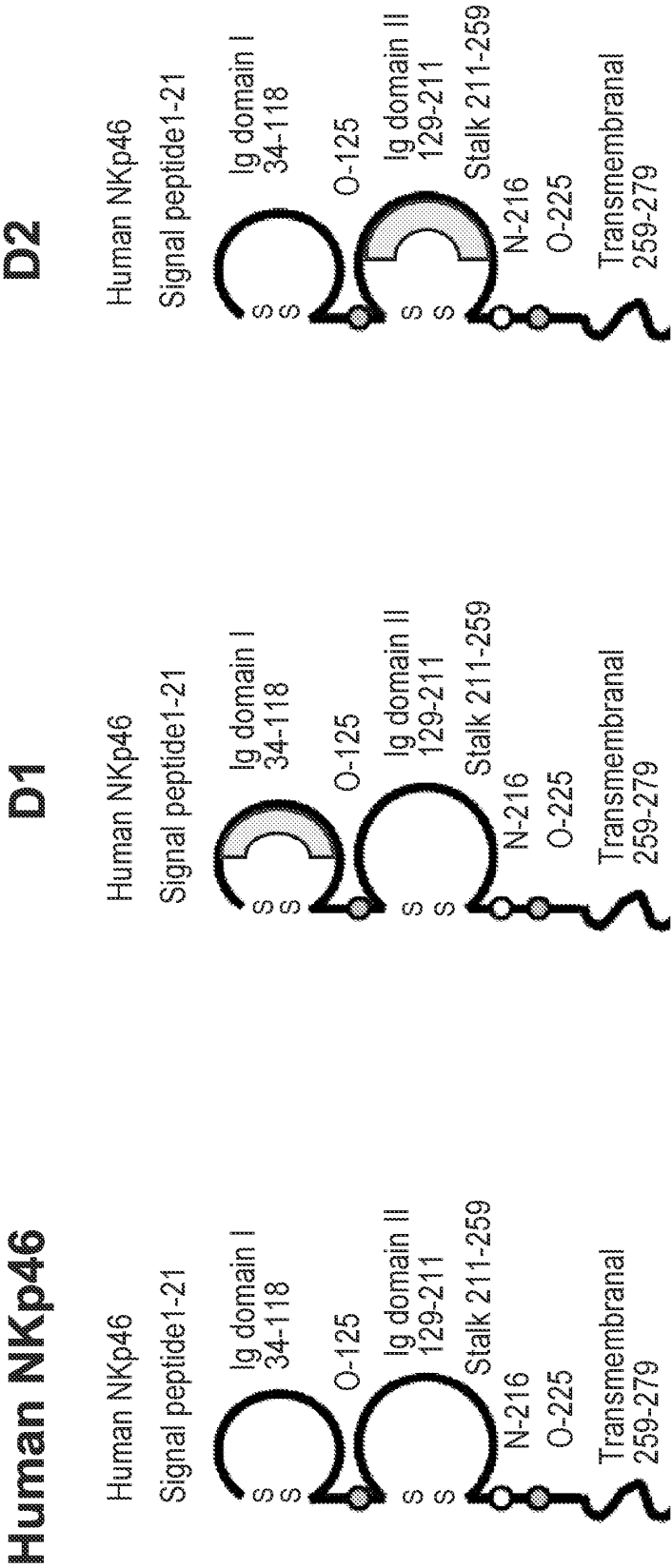
440	1	5	9	13	17	21	25	29	33	37	41	45	49	53	57	61	65	69	73	77	81	85	89	93	97	101	105	109	113	117	121	125	129	133	137	141	145	149
H chain	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V
Heavy_K3_P4	EVLQQS	QRELP	QSV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV
Heavy_K3_P4_humanized	EVLQQS	QRELP	QSV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV

FIG. 7B

Light Chain Variable Region Alignment

440	1	5	9	13	17	21	25	29	33	37	41	45	49	53	57	61	65	69	73	77	81	85	89	93	97	101	105	109	113	117	121	125	129	133	137	141	145	149	
L chain	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	
Light_K3_P4	DVLP	QSP	ATLS	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV
Light_K3_P4_humanized	DVLP	QSP	ATLS	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV
Light_K3b	DVLP	QSP	ATLS	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV
Light_K3b_humanized	DVLP	QSP	ATLS	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV	QV

FIG. 8



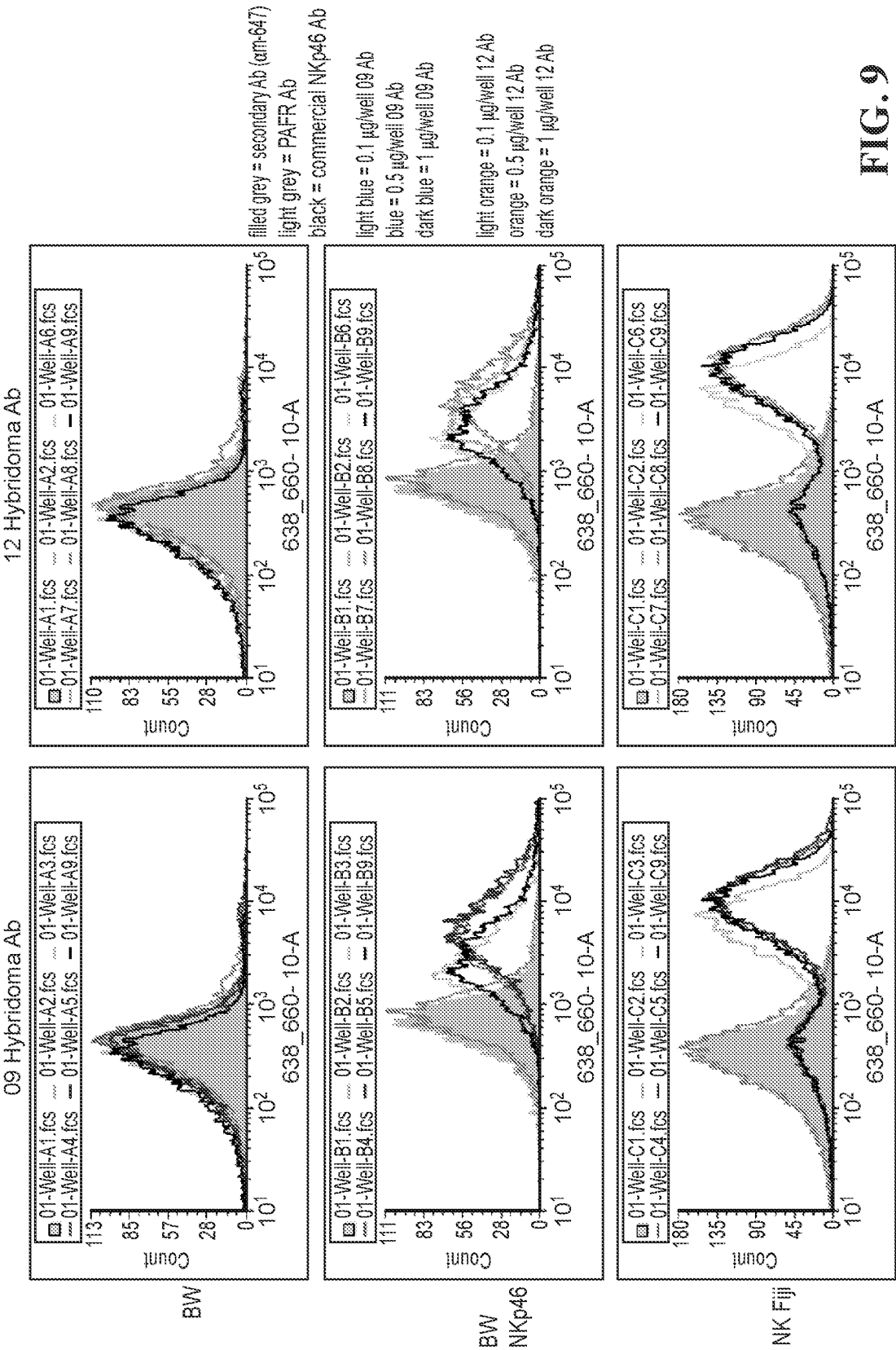


FIG. 10 Staining cells for NKp46 with humanized Hybridomas antibodies
B341001

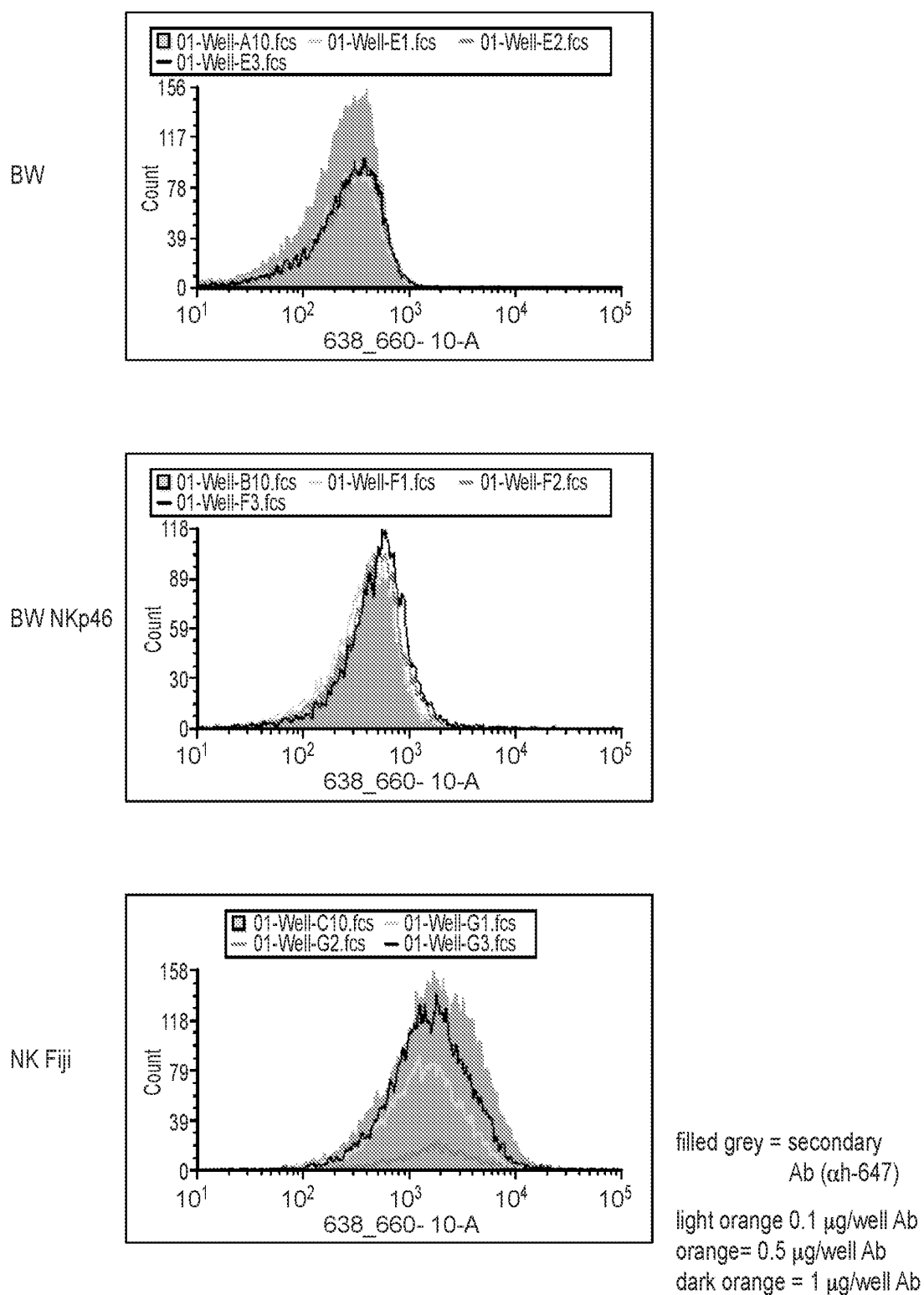


FIG. 10 cont.

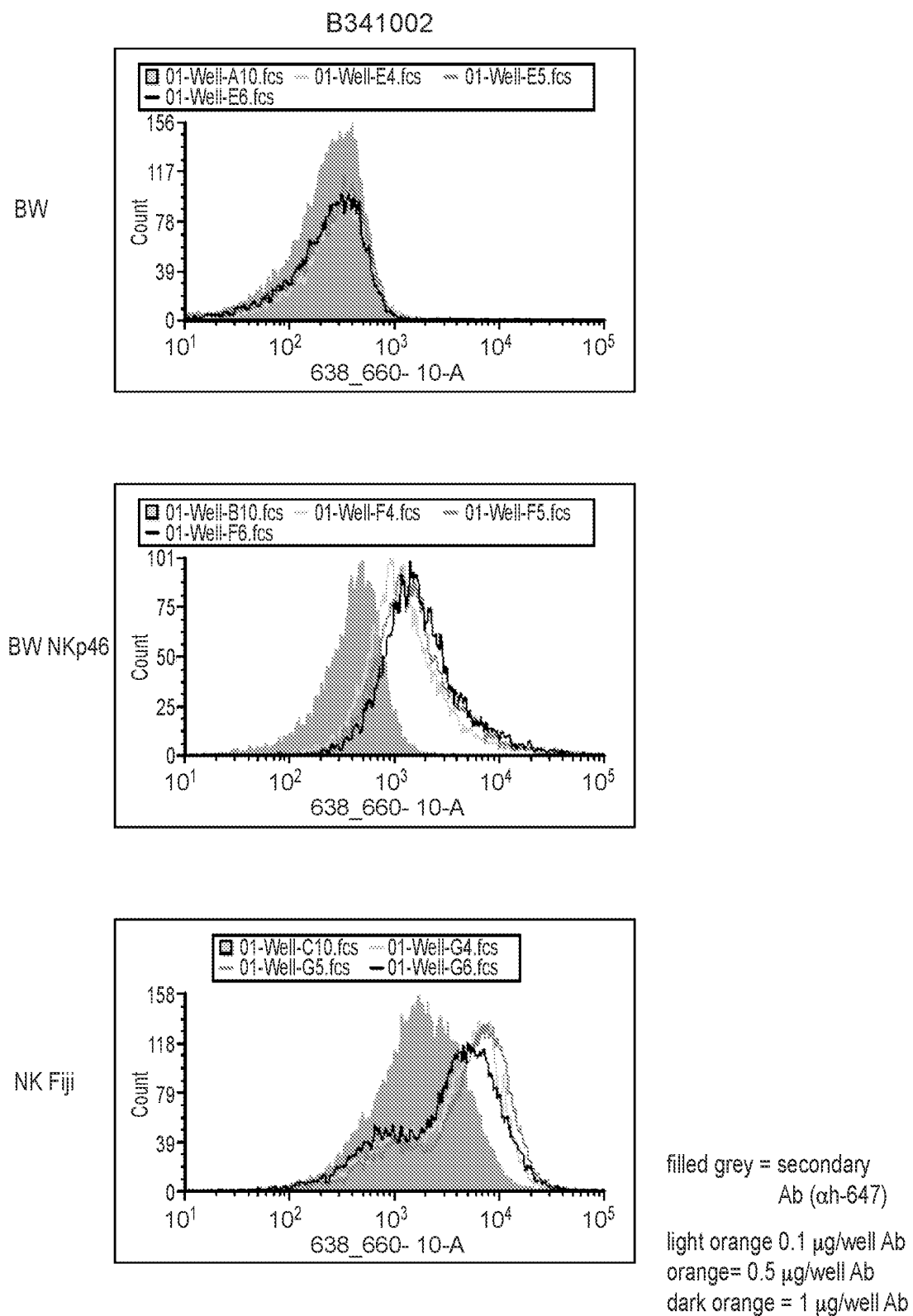


FIG. 10 cont.

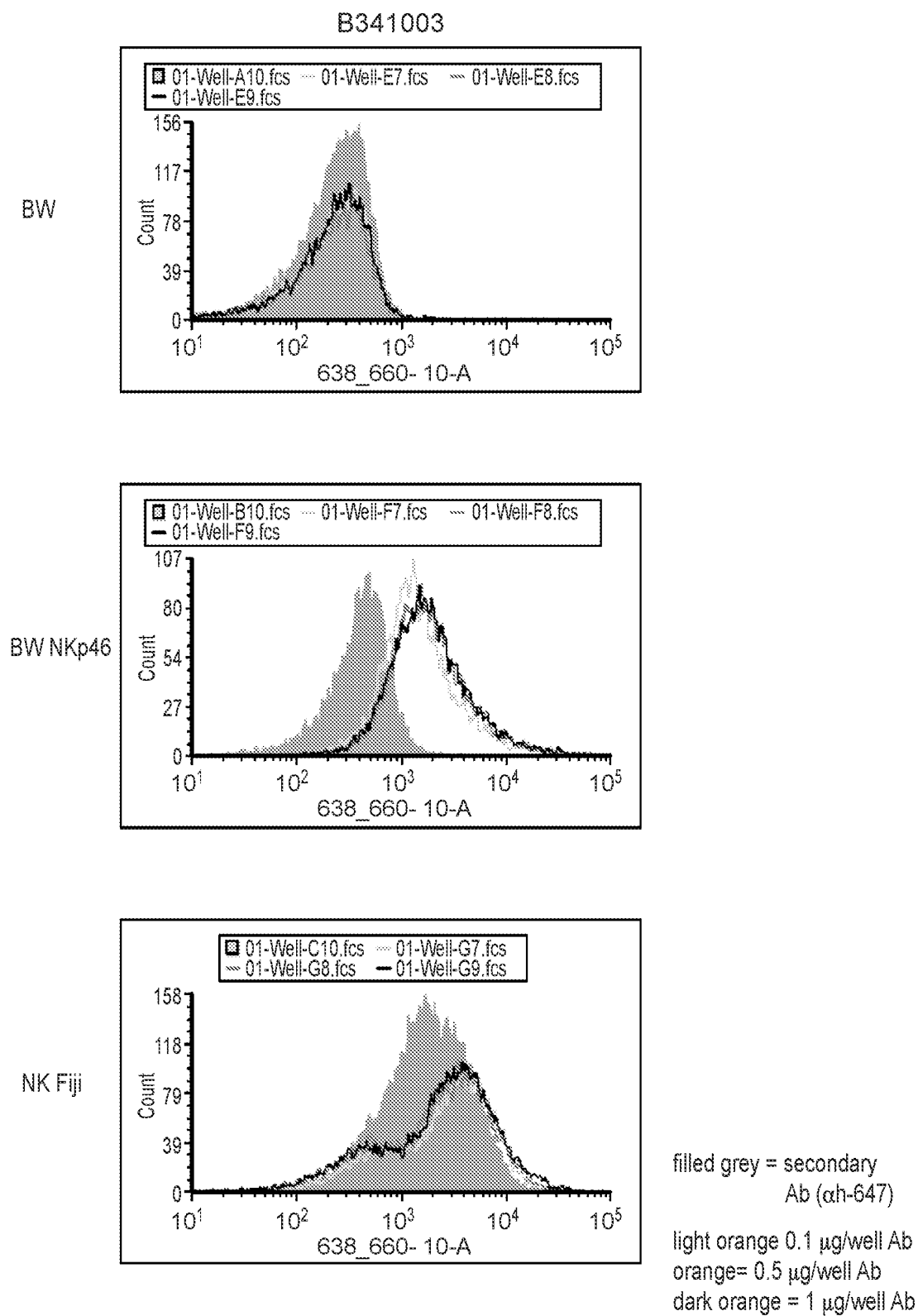


FIG. 10 cont.

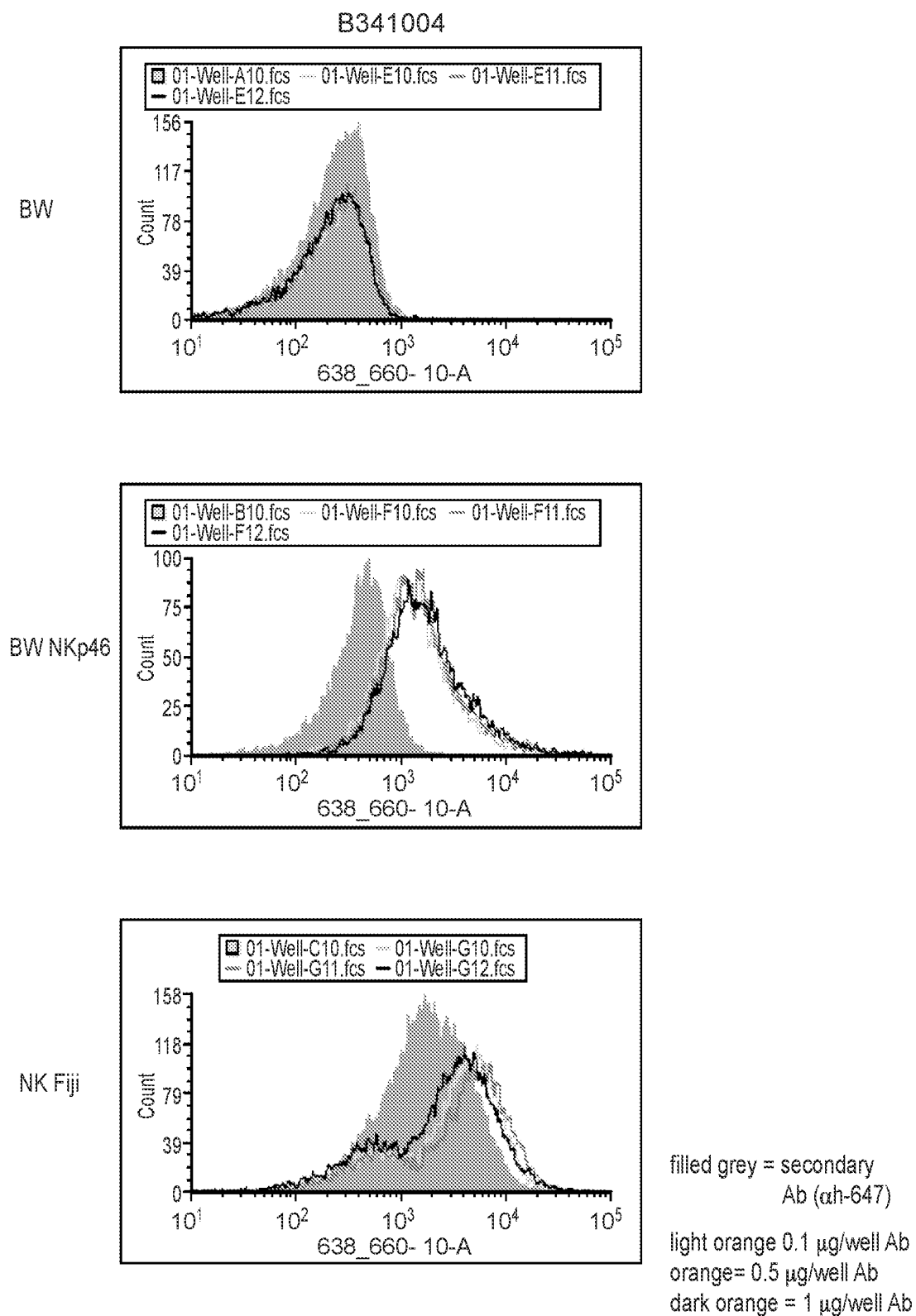


FIG. 11

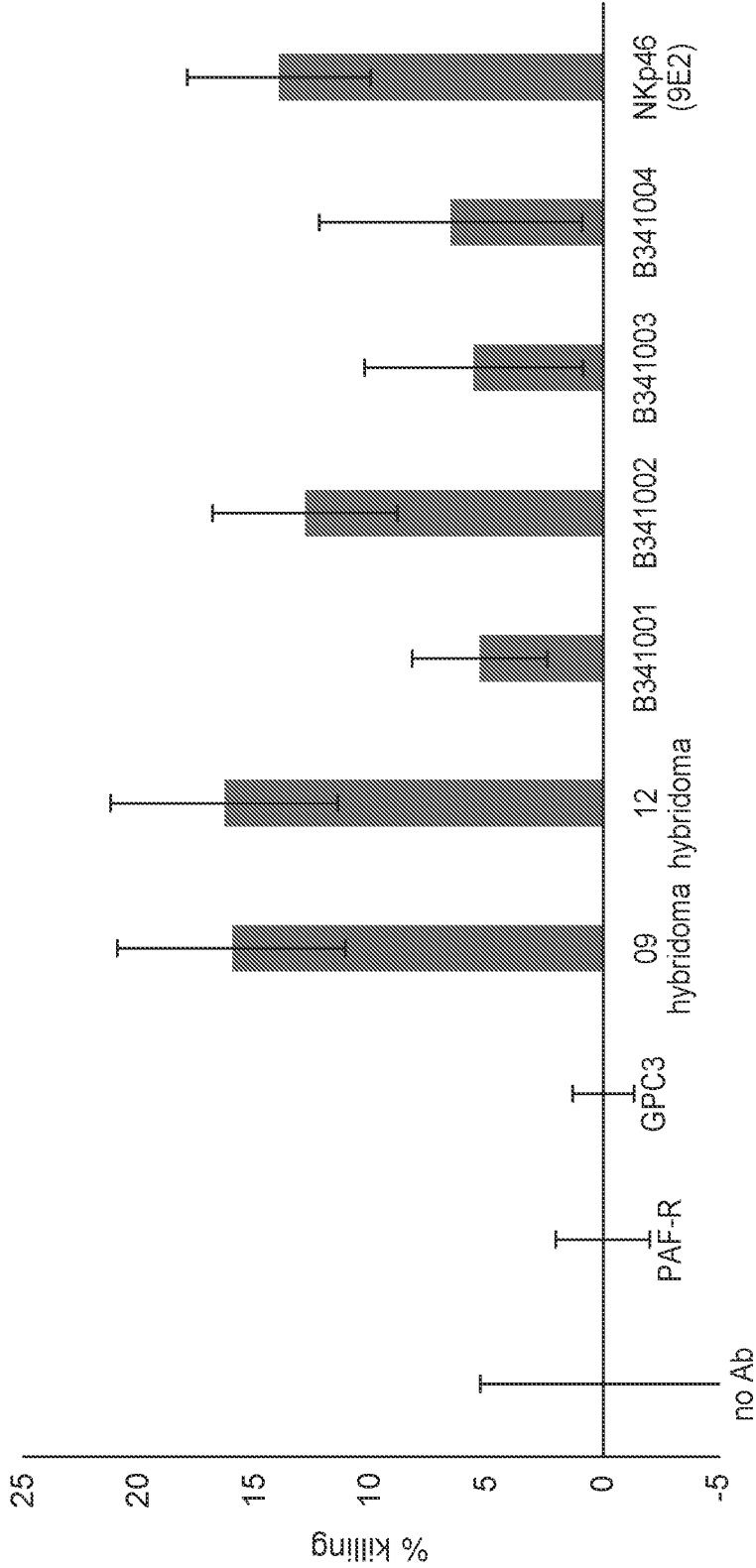


FIG. 12

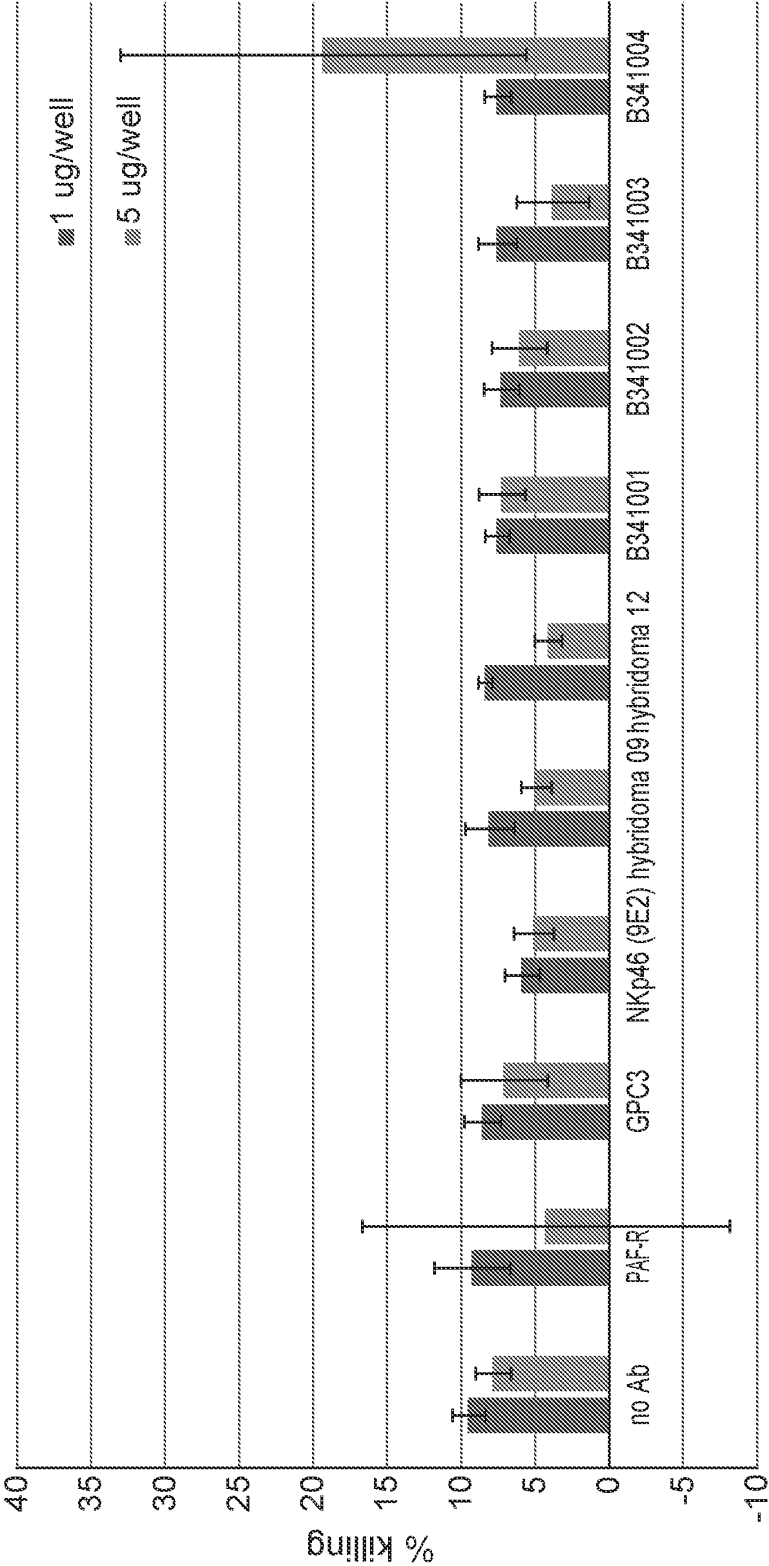


FIG. 13A

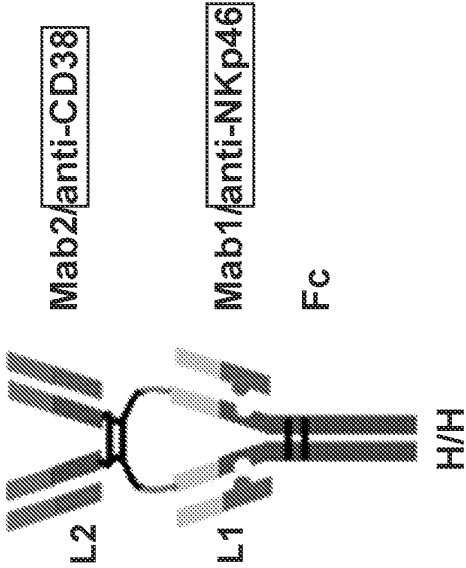
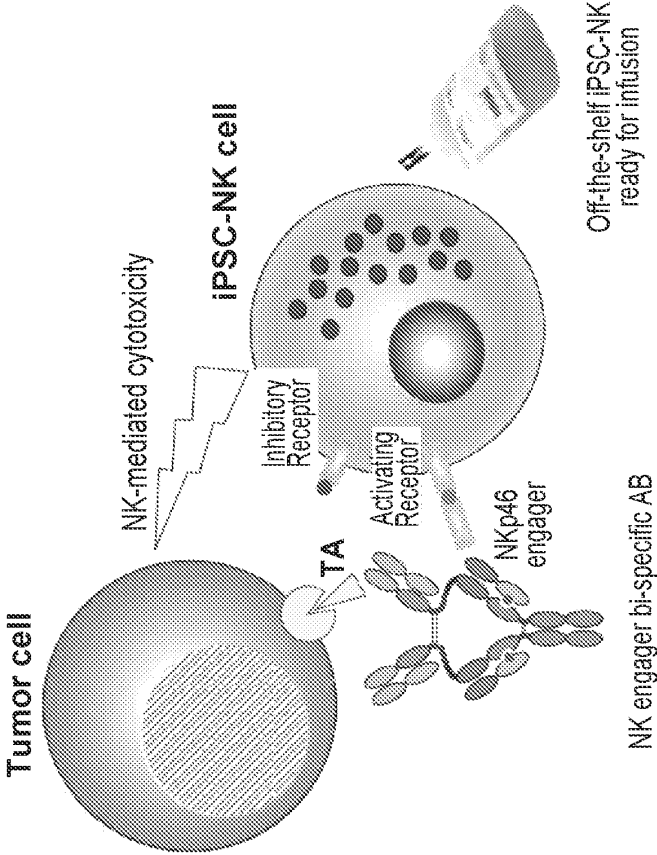


FIG. 13B



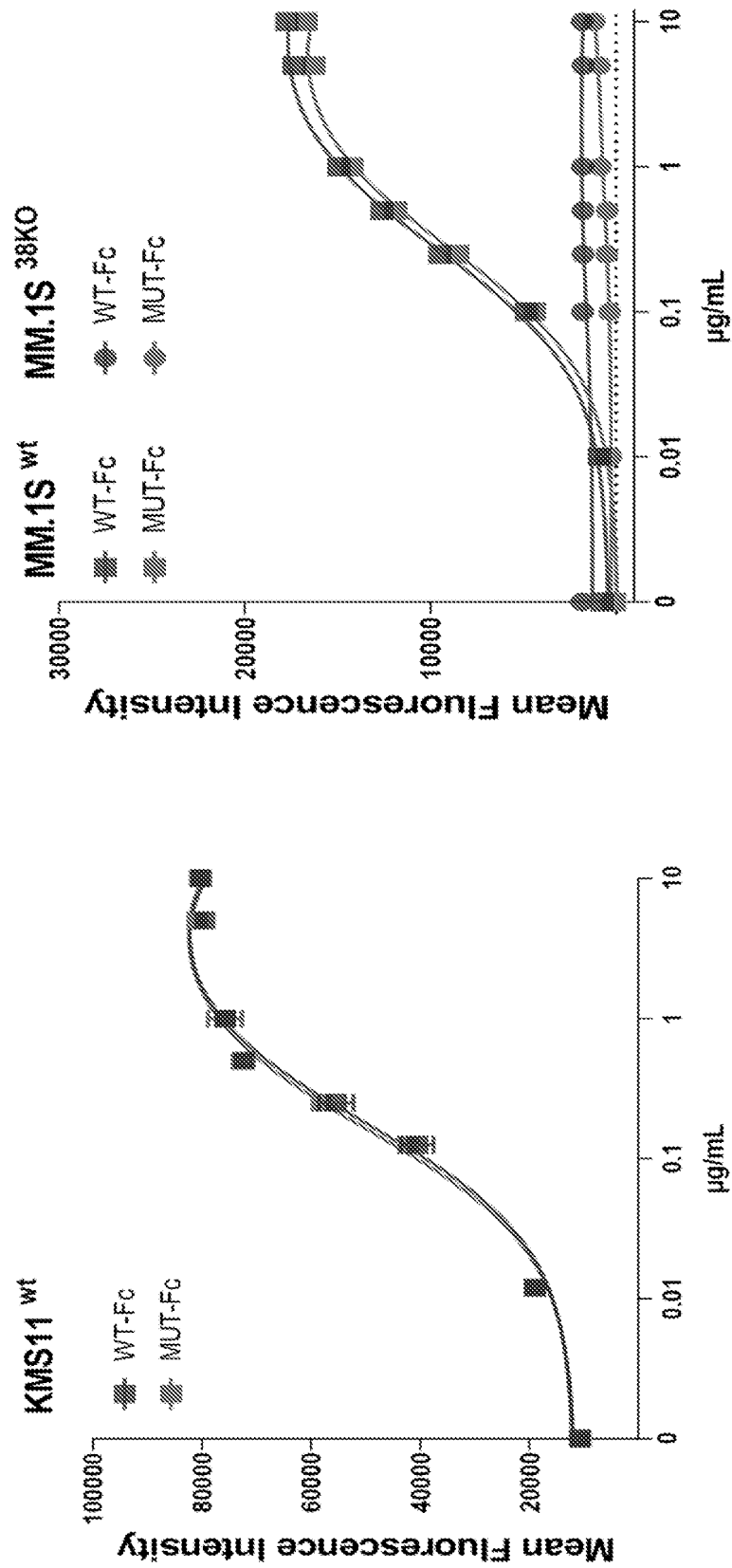


FIG. 14

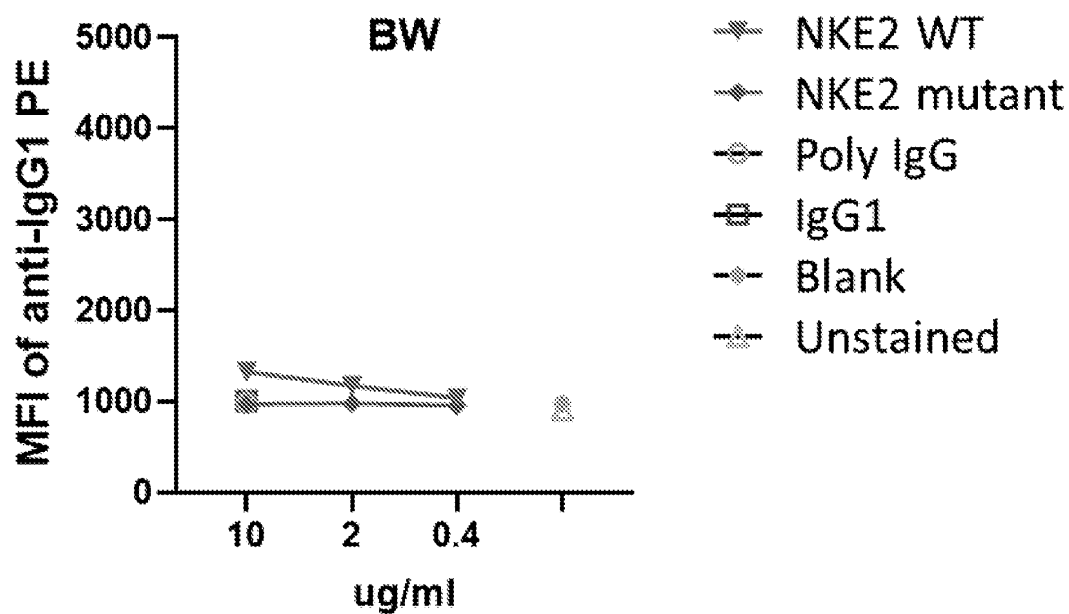


FIG. 15A

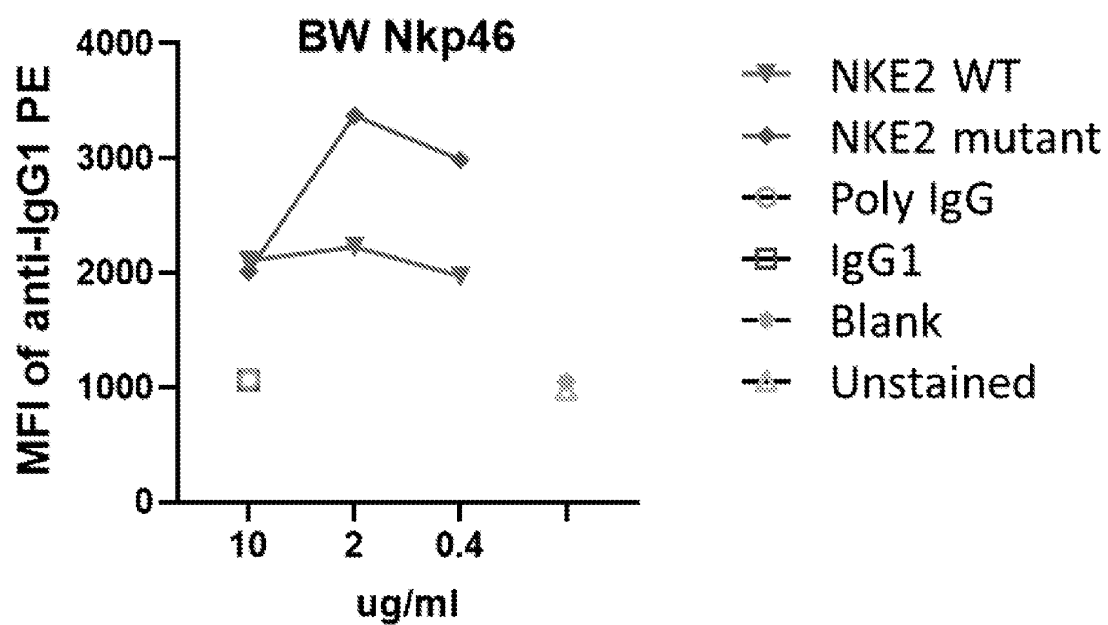


FIG. 15B

No.	Mutation	Binding evaluation	Expression evaluation	Ratio
191	E191A	1.39	0.95	1.5
192	K192A	0.15	0.93	0.2
193	V193A	0.89	1.07	0.8
194	Q194A	0.15	0.75	0.2
195	T195A	0.15	0.82	0.2
196	L196A	0.50	0.82	0.6
197	E197A	0.51	1.03	0.5
198	A198S	0.58	0.83	0.7
199	W199A	0.30	0.92	0.3
200	V200A	0.46	0.80	0.6
201	I201A	0.93	1.06	0.9
202	H202A	0.71	0.88	0.8
225	S225A	1.10	1.01	1.1
226	K226A	1.09	1.02	1.1
227	R227A	0.97	1.09	0.9
228	N228A	0.55	0.88	0.6
229	I229A	0.27	0.77	0.4
230	Q230A	0.15	0.92	0.2
231	F231A	0.37	1.10	0.3
232	S232A	1.15	1.06	1.1
233	C233A	0.14	0.23	0.6
234	K234A	0.56	0.50	1.1
235	N235A	0.94	0.87	1.1
236	I236A	0.59	0.36	1.7
237	Y237A	0.91	0.97	0.9
238	R238A	1.26	1.31	1.0

FIG. 16

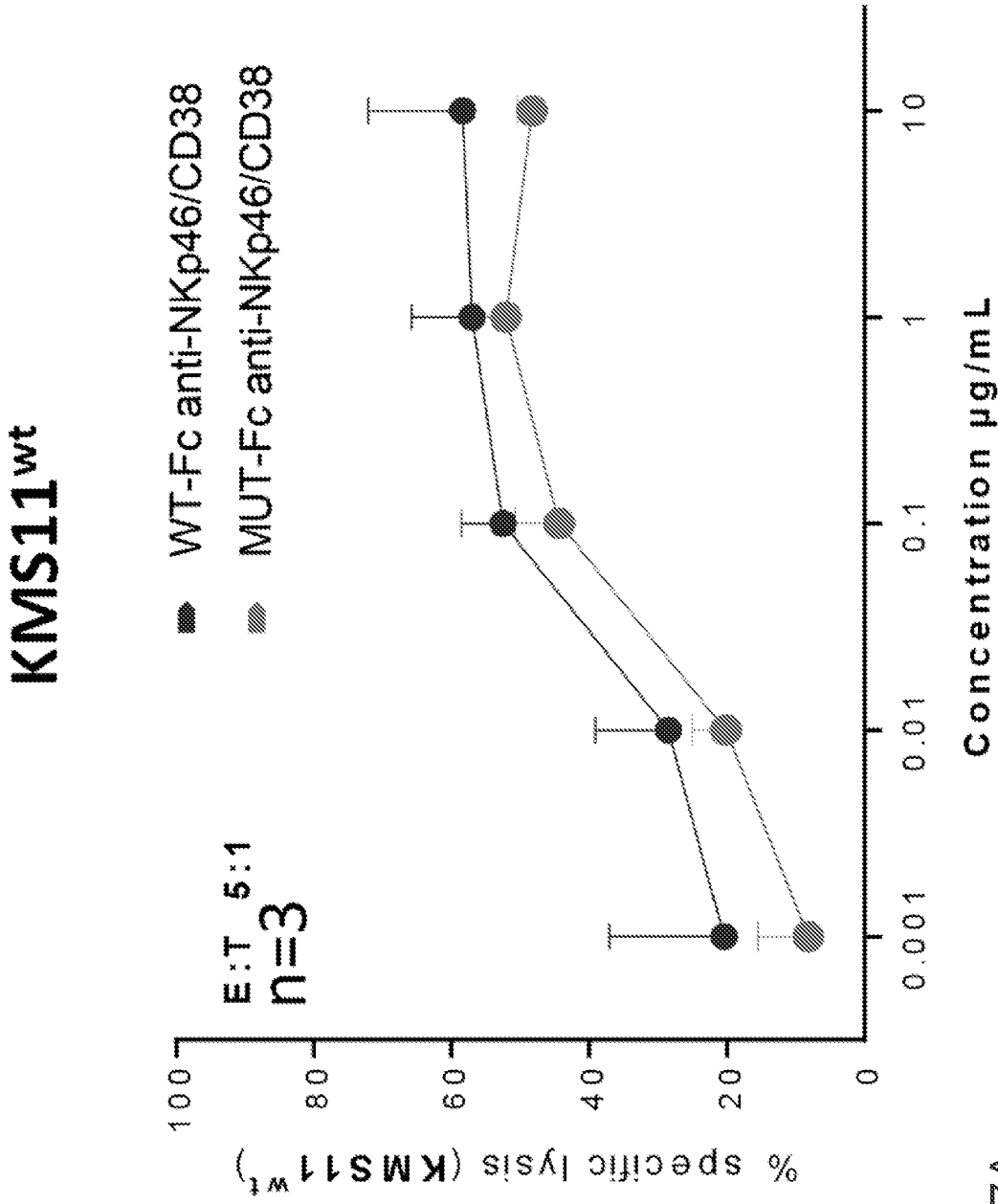


FIG. 17A

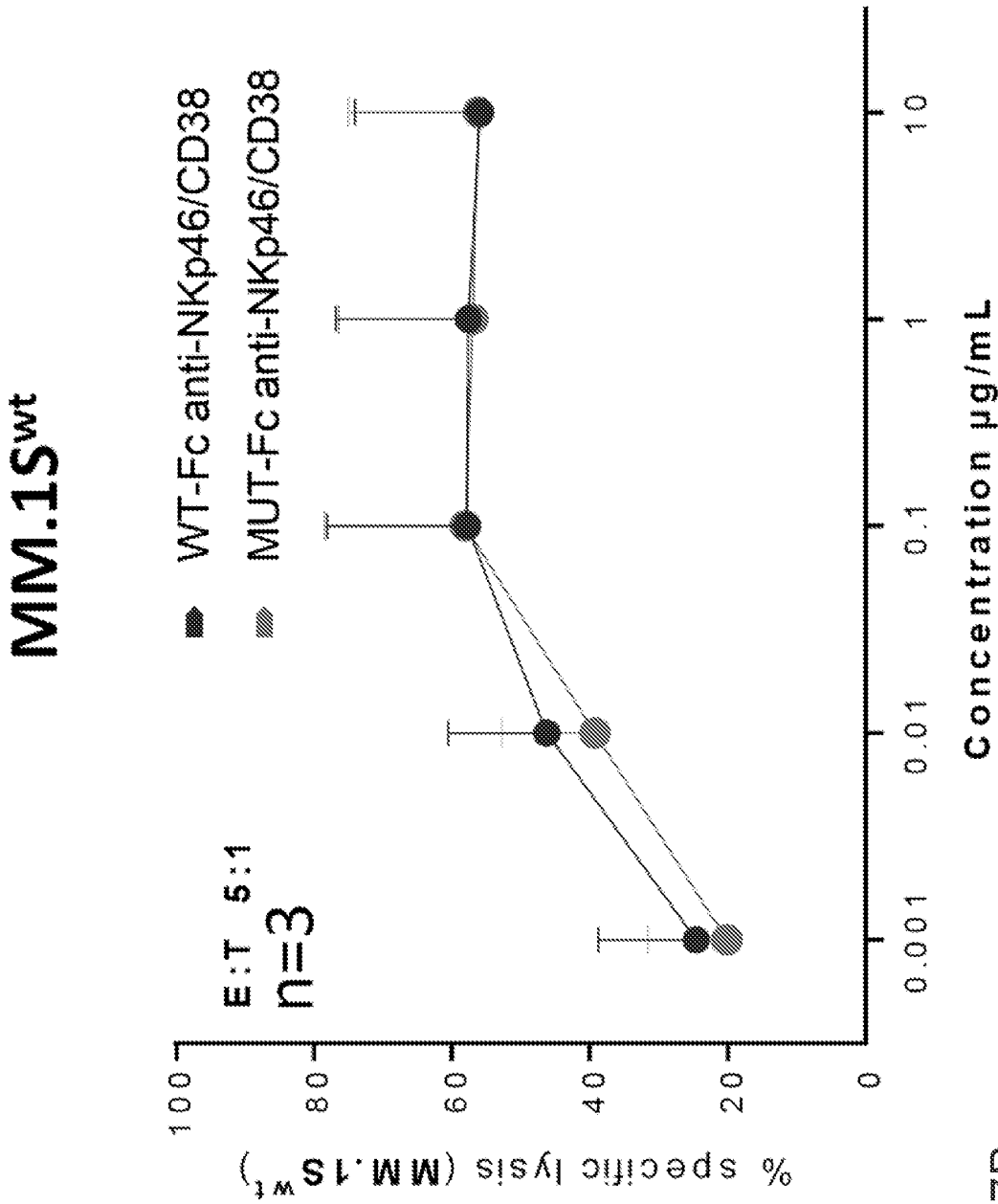


FIG. 17B

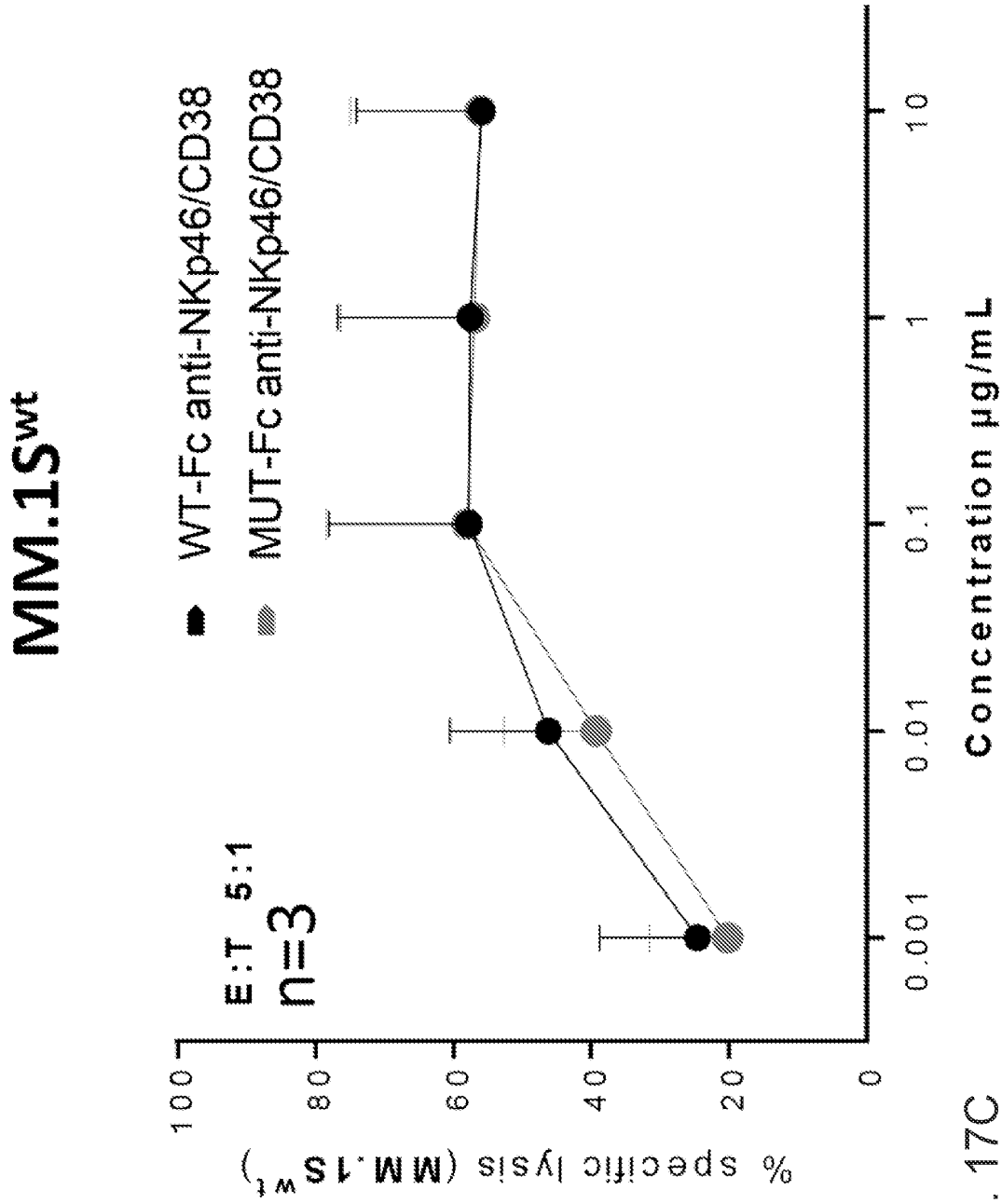


FIG. 17C

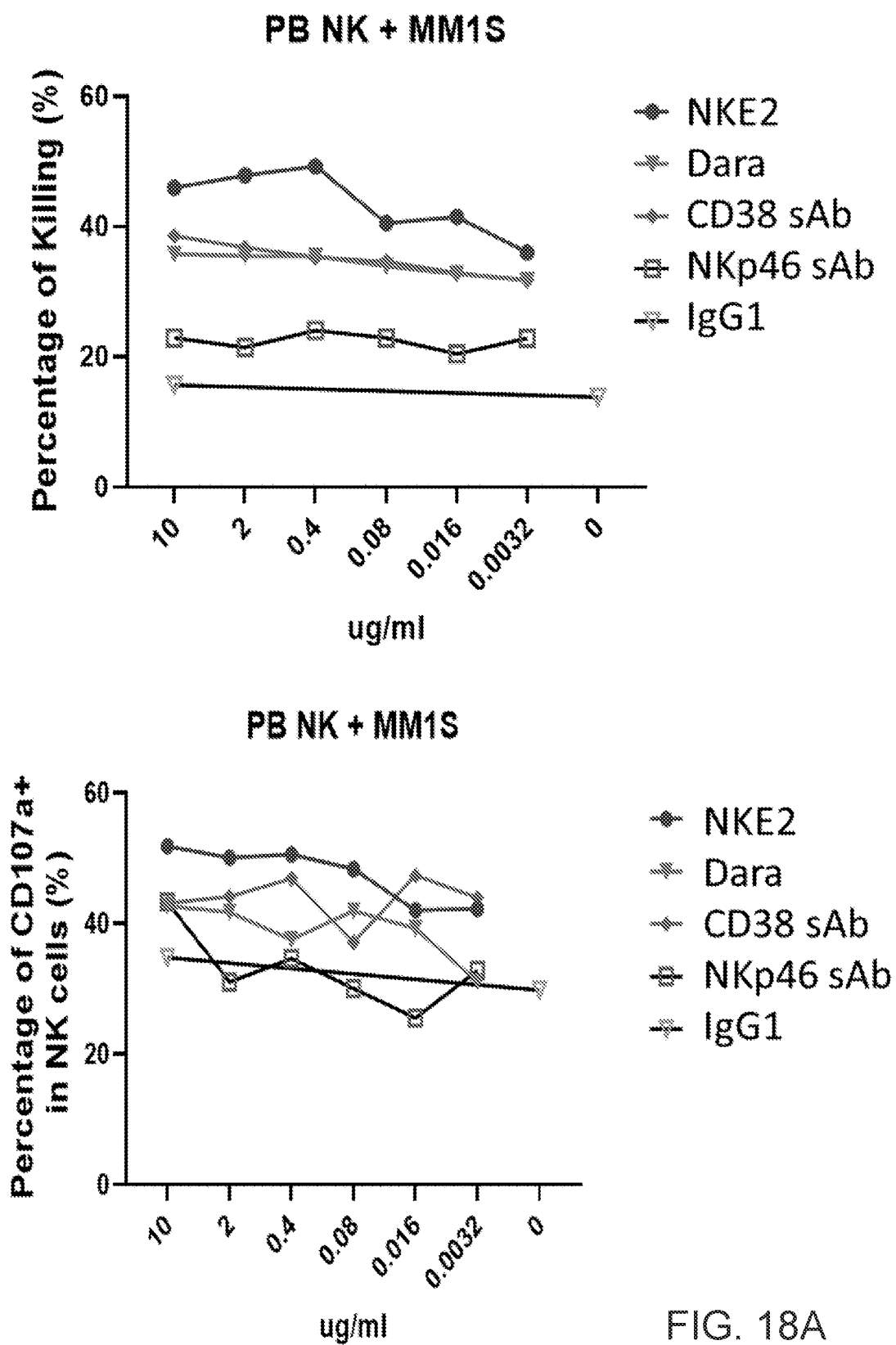


FIG. 18A

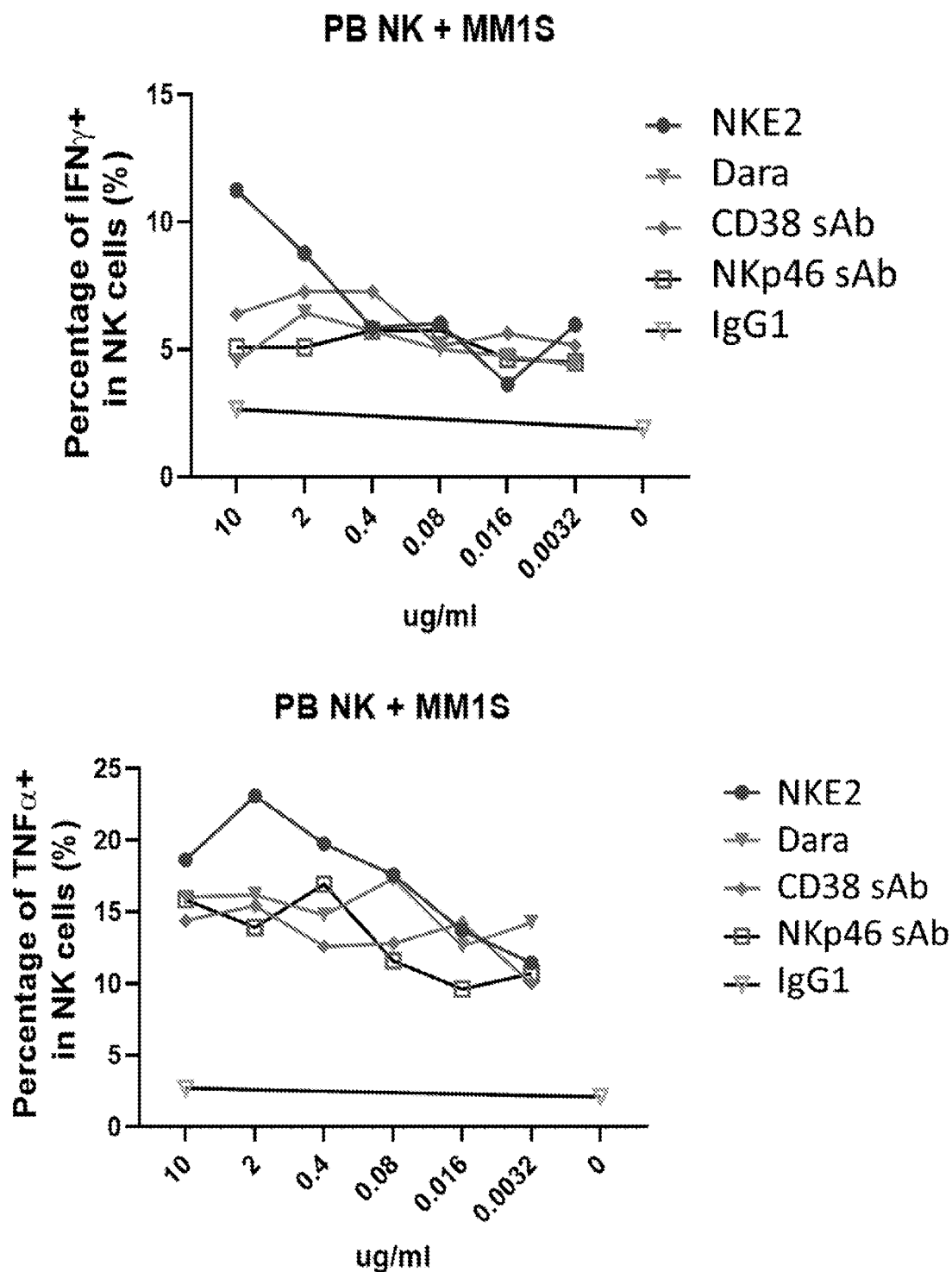


FIG. 18B

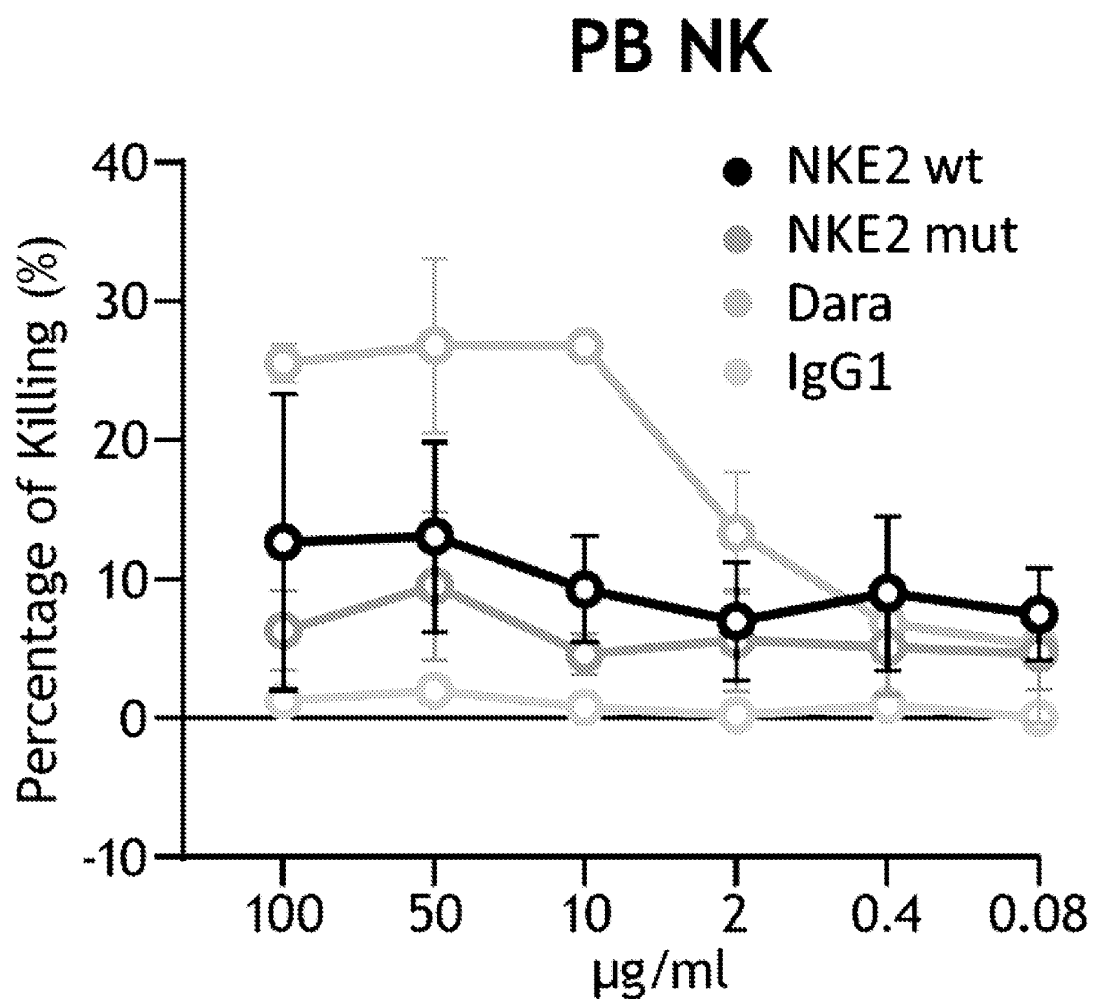


FIG. 19A

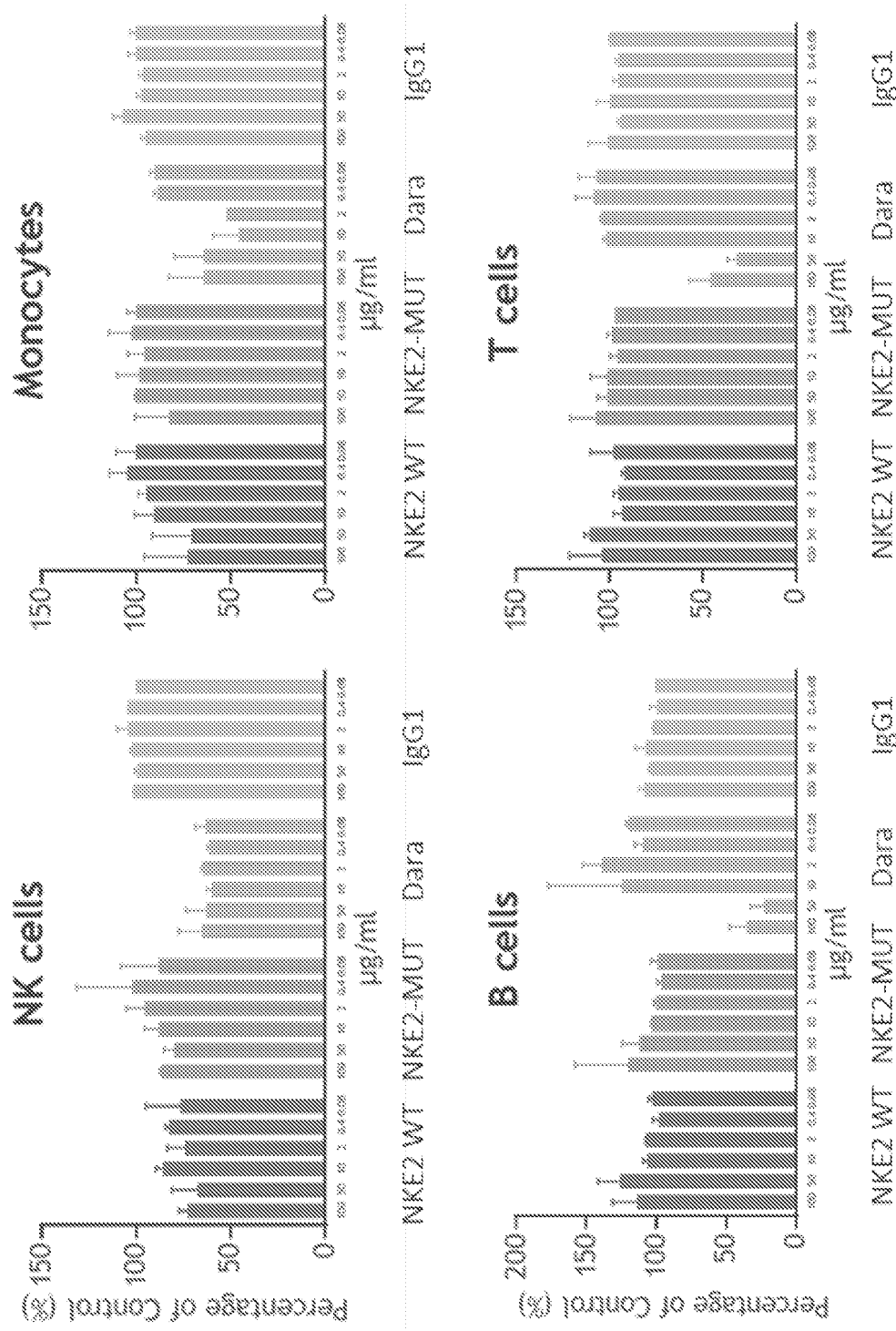


FIG. 19B

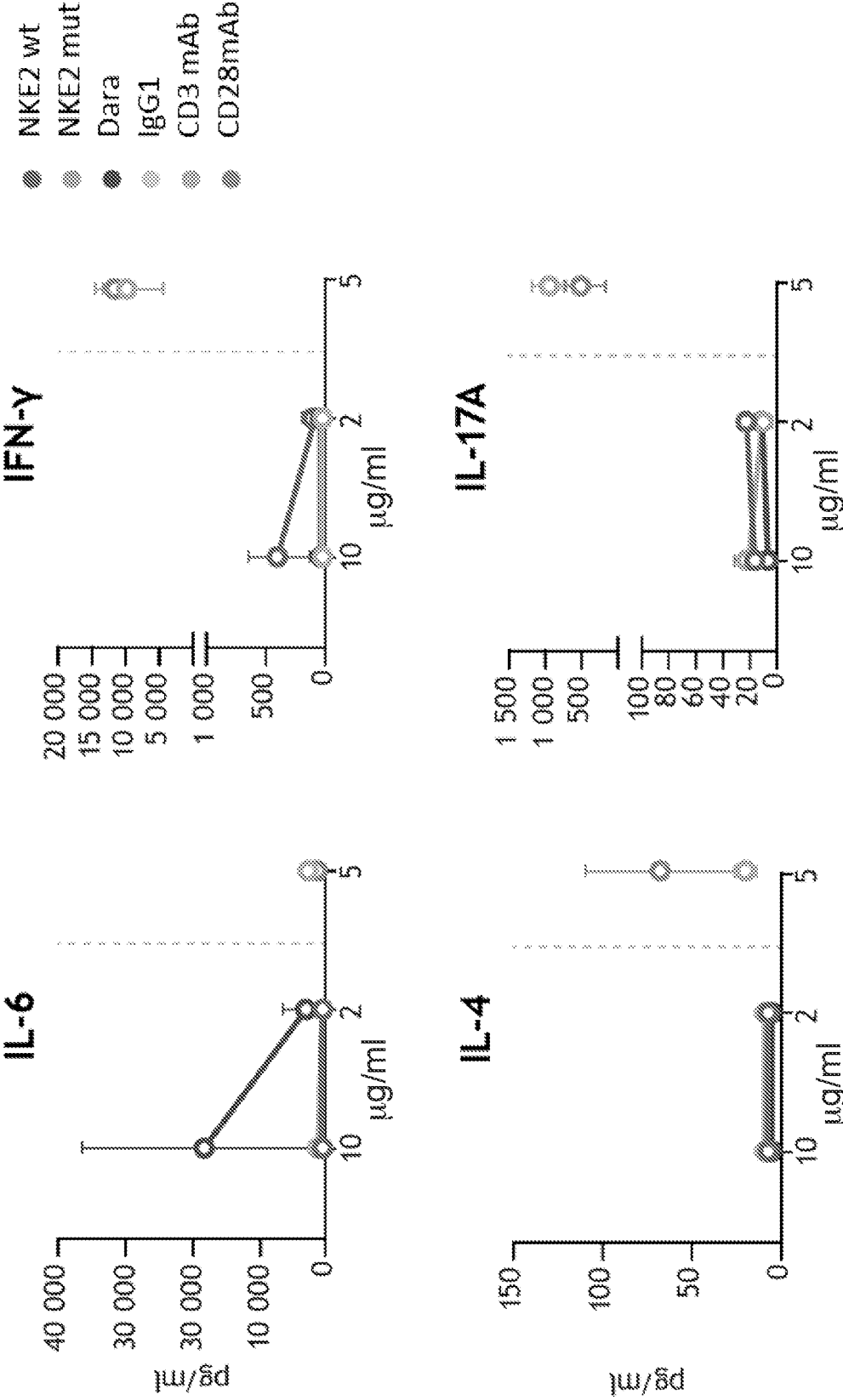


FIG. 19C

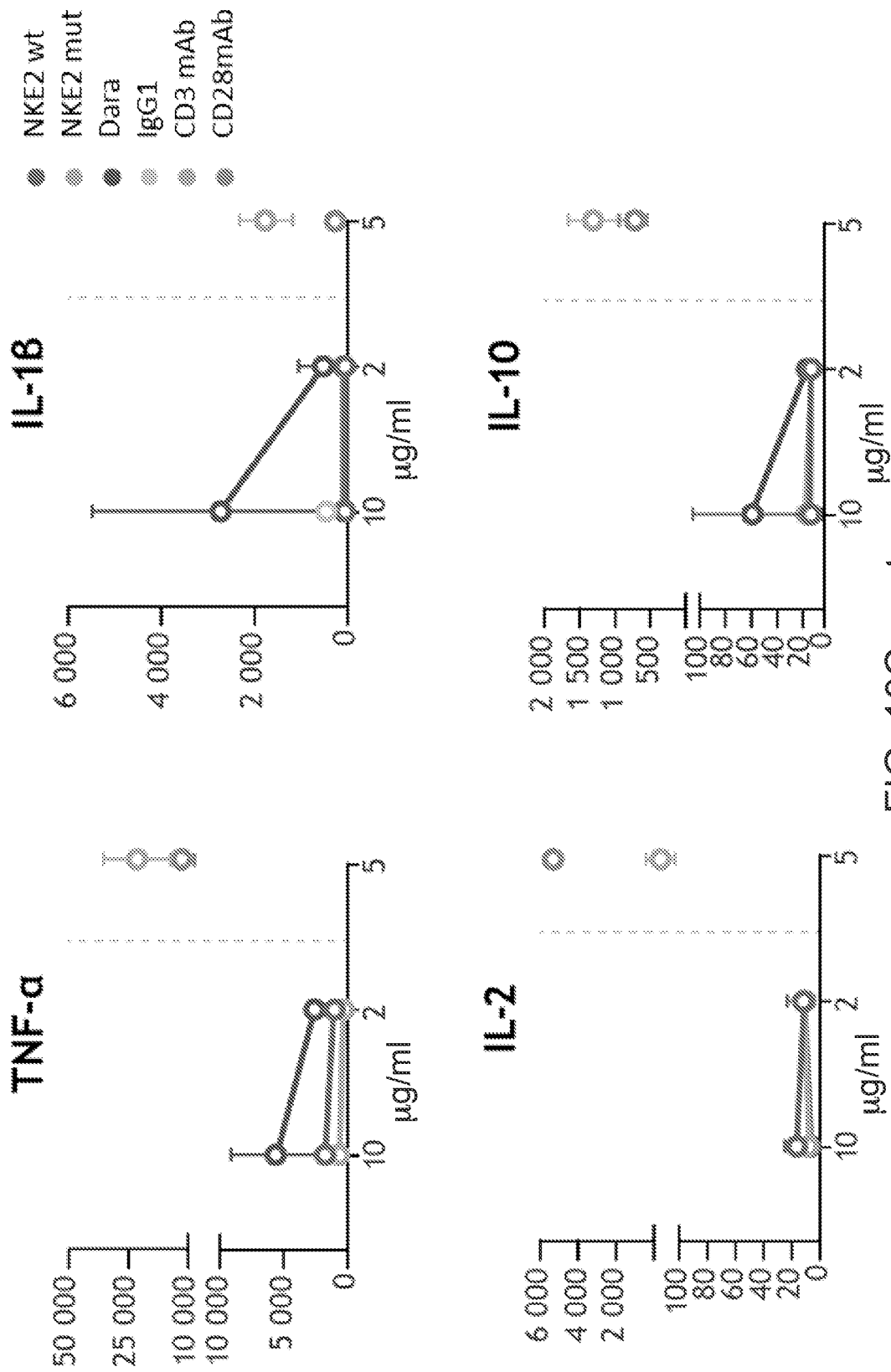


FIG. 19C cont.