

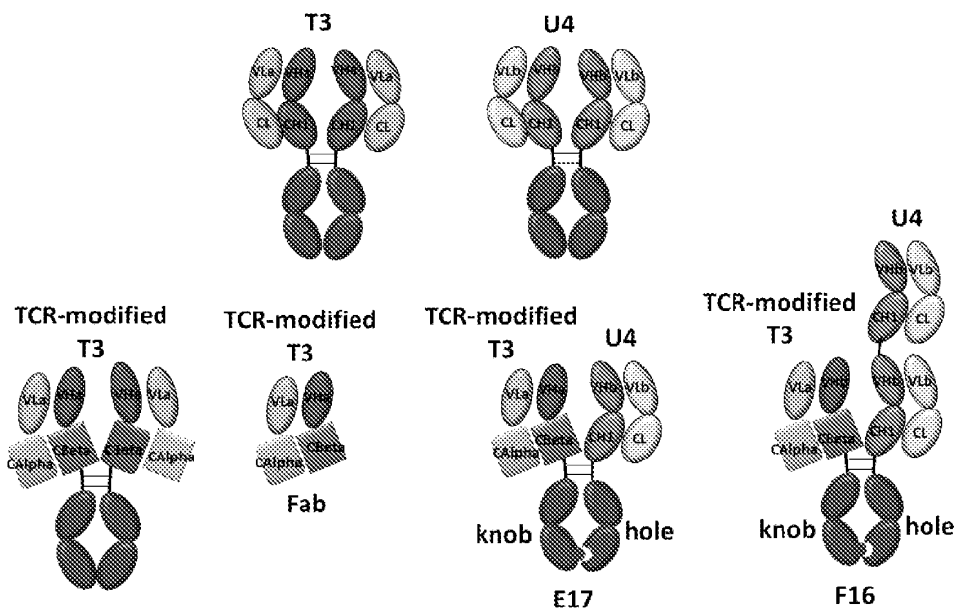


Figure 1

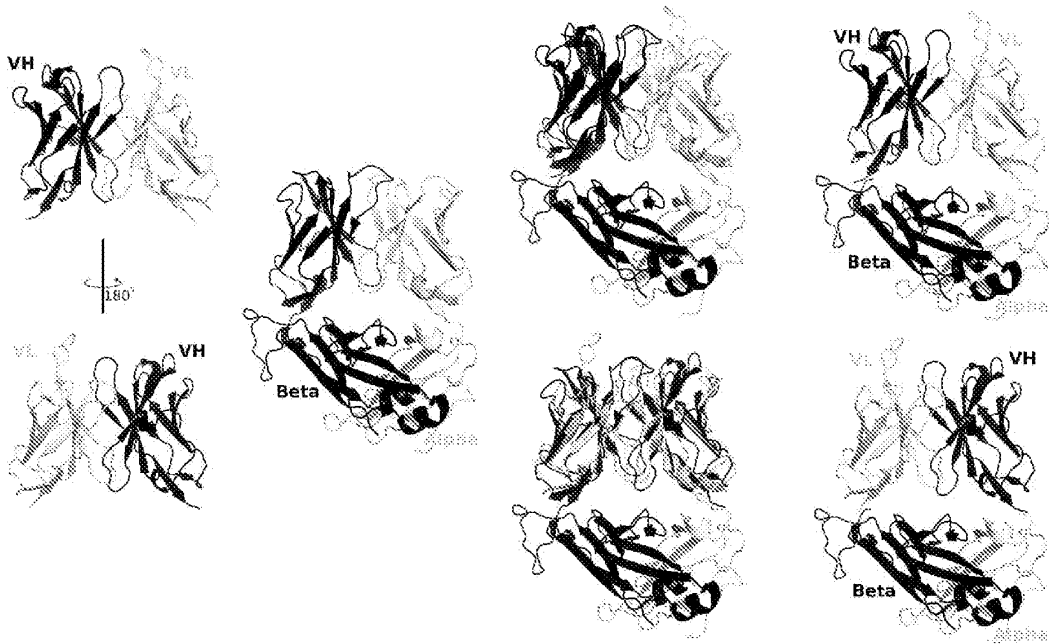


Figure 2A

Figure 2B

Figure 2C

Figure 2D

Constant region sequence of TCR alpha chain:

TRAC_Human	PNIQNPDAV YQLRDSKSSD KSVCLFTDFD SQTINVSQSKD SDVYITDKTV
4L4T_Alpha_Crystal	PDIQNPDAV YQLRDSKSSD KSVCLFTDFD SQTINVSQSKD SDVYITDKCV
TRAC_Human	EDMRSMDFKS NSAVAWSNKS DFACANAFNN SIIPEDTFFP SPESSCDVKL
4L4T_Alpha_Crystal	EDMRSMDFKS NSAVAWSNKS DFACANAFNN SIIPEDTFFP SPESS-----
TRAC_Human	VEKSFETDTN LNFQNLVIG FRILLKLVAG FNLLMTLRLW SS SEQ ID NO:31
4L4T_Alpha_Crystal	----- -- SEQ ID NO:32

Figure 3A

Constant region sequence of TCR beta chain:

TRBC1_Human	EDLNKVPPE VAVFEPSEAE ISHTQKATLV CLATGFPPDH VELSWWVNGK
4L4T_Beta_Crystal	EDLNKVPPE VAVFEPSEAE ISHTQKATLV CLATGFPPDH VELSWWVNGK
TRBC1_Human	EVHSGVSTDP QPLKEQPALN DSRVCLSSRL RVSATFWQNP RNHFRCQVQF
4L4T_Beta_Crystal	EVHSGVCTDP QPLKEQPALN DSRVCLSSRL RVSATFWQNP RNHFRCQVQF
TRBC1_Human	YGLSENDEWT QDRAKPVTQI VSAEAWGRAD CGFTSVSYQQ GVLSATILYE
4L4T_Beta_Crystal	YGLSENDEWT QDRAKPVTQI VSAEAWGRAD -----
TRBC1_Human	ILLGKATLYA VLVSALVLMA MVKRKDF-- SEQ ID NO:33
4L4T_Beta_Crystal	----- SEQ ID NO:34

Figure 3B

Numbering Defined for Alpha Constant Region:

	1	11	21	31	50
TRAC_Human	P	N	I	Q	N
4L4T_Alpha_Crystal	P	D	I	Q	N
E17_Design_2_YYYY_IgG4	P	D	I	Q	N

95 SEQ ID NO:

	51	61	71	81	95
TRAC_Human	L	D	M	R	S
4L4T_Alpha_Crystal	L	D	M	R	S
E17_Design_2_YYYY_IgG4	L	D	M	R	S

Figure 4A

Numbering Defined for Beta Constant Region:

	0 1	11	21	31	50
TRBC1_Human	E	D	L	N	K
4L4T_Beta_Crystal	E	D	L	N	K
E17_Design_2_YYYY_IgG4	E	D	L	N	K

100

	51	61	71	81	100
TRBC1_Human	V	H	S	G	V
4L4T_Beta_Crystal	V	H	S	G	V
E17_Design_2_YYYY_IgG4	V	H	S	G	V

128 SEQ ID NO:

	101	111	124	128
TRBC1_Human	G	L	S	E
4L4T_Beta_Crystal	G	L	S	E
E17_Design_2_YYYY_IgG4	G	L	S	E

Figure 4B

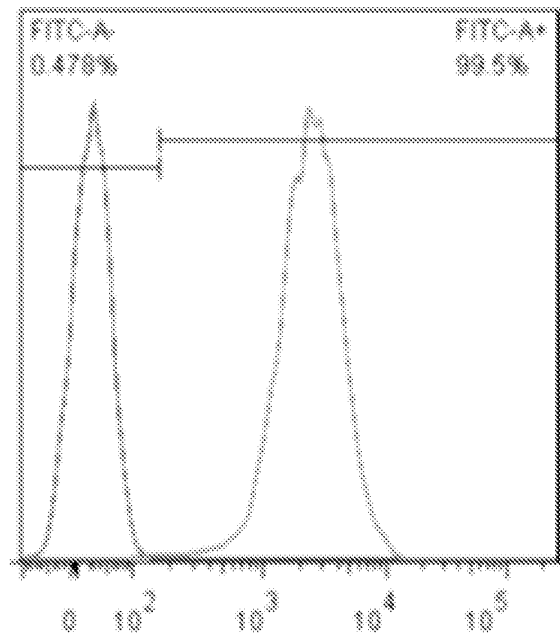


Figure 5

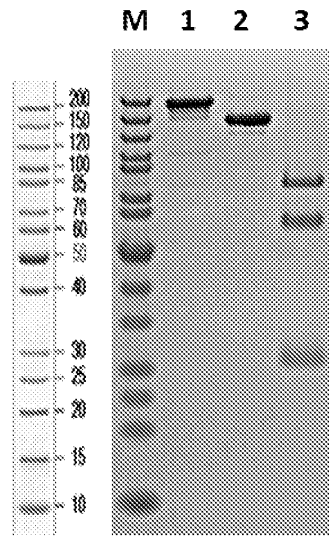


Figure 6

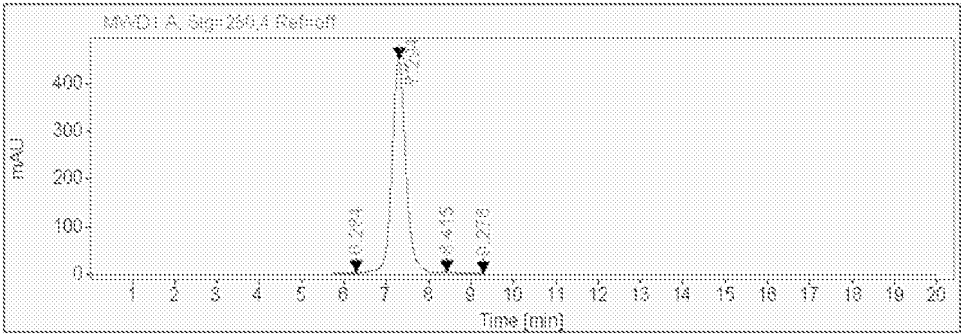


Figure 7

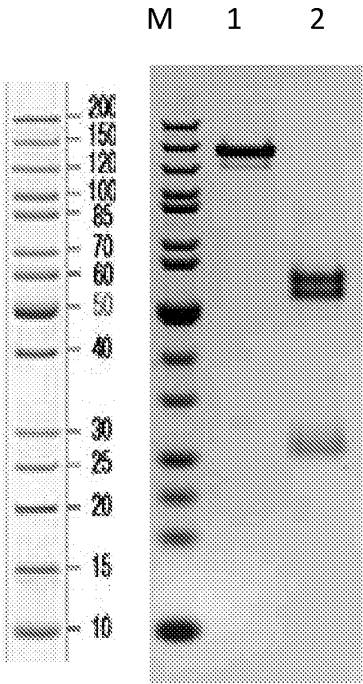


Figure 8

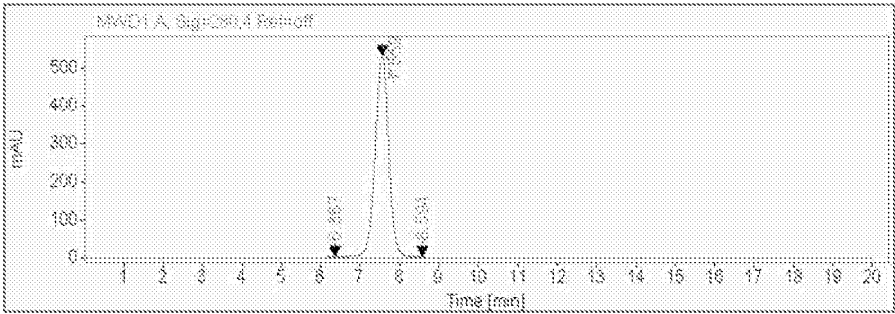


Figure 9

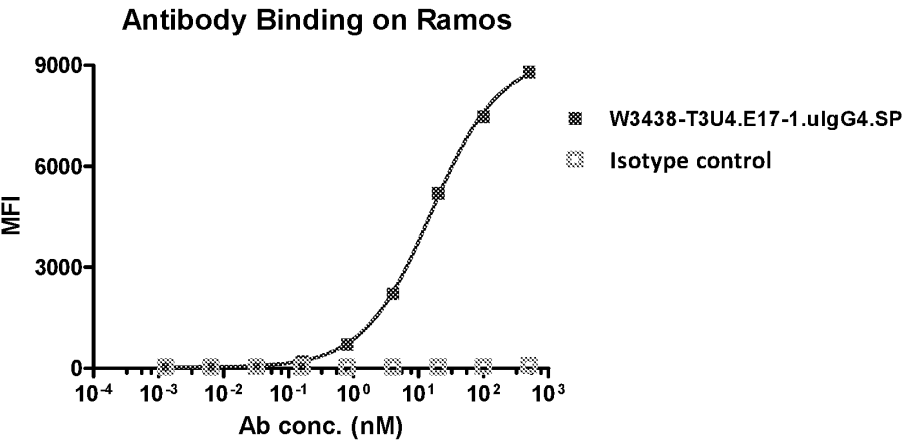


Figure 10A

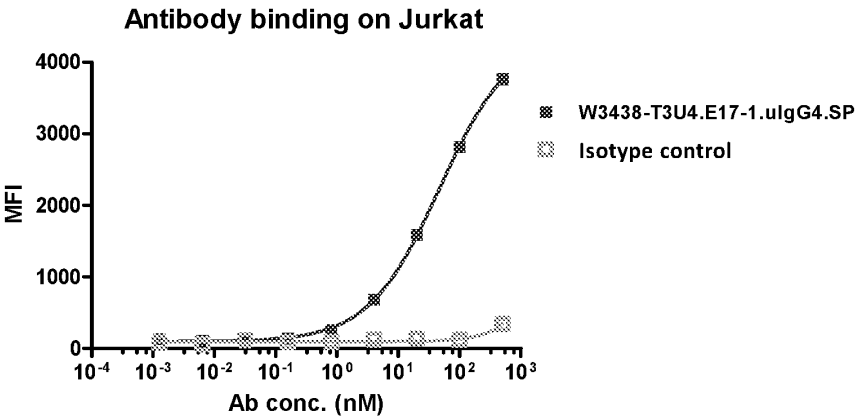


Figure 10B

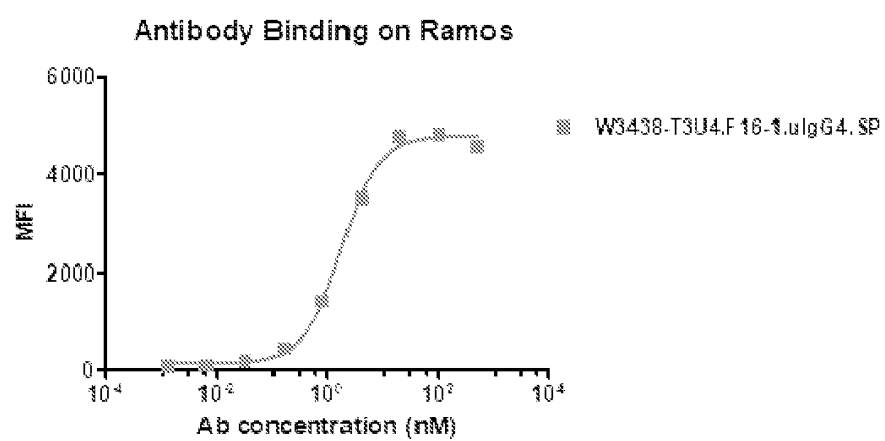


Figure 11A

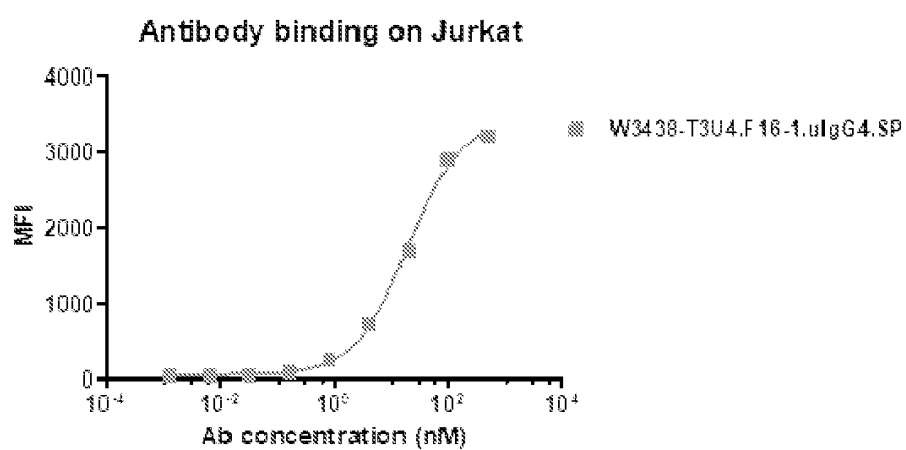


Figure 11B

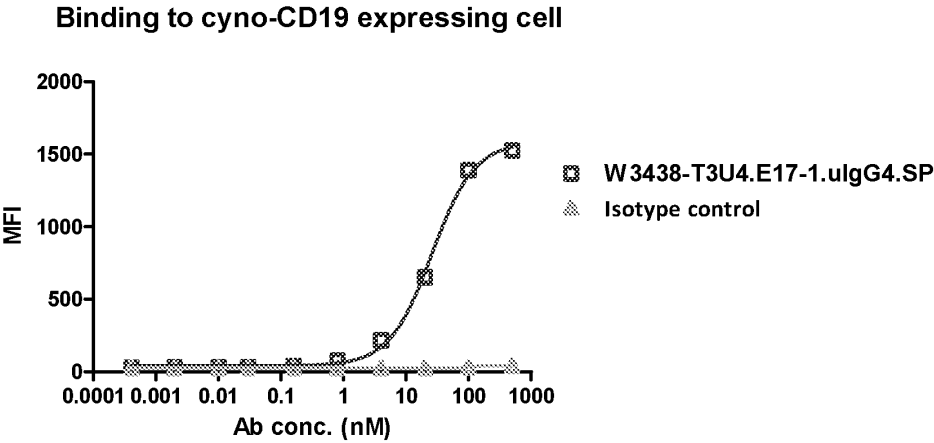


Figure 12

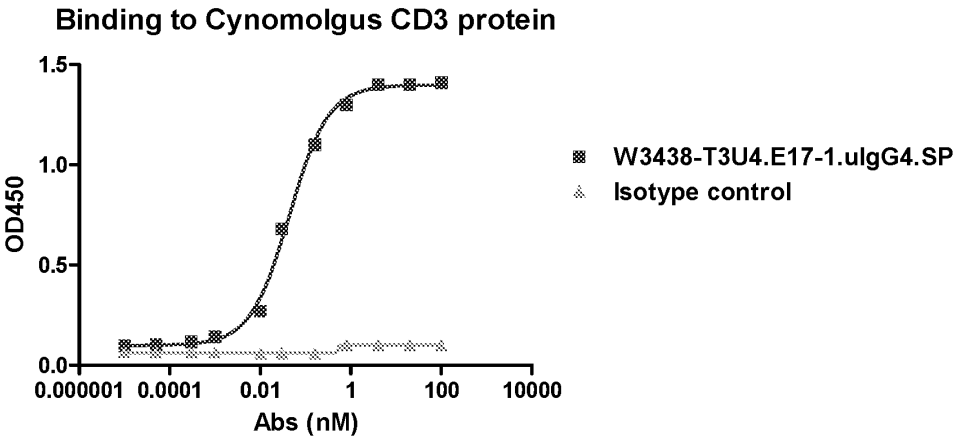


Figure 13

W3438-T3U4.E17-1.ulgG4.SP affinity test on Ramos

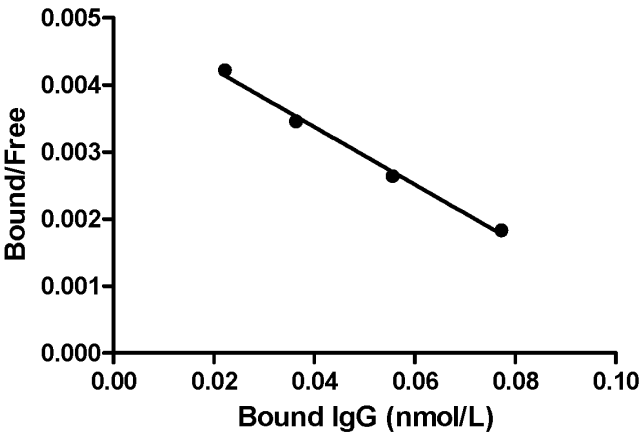


Figure 14A

W3438-T3U4.E17-1.ulgG4.SP affinity test on Jurkat

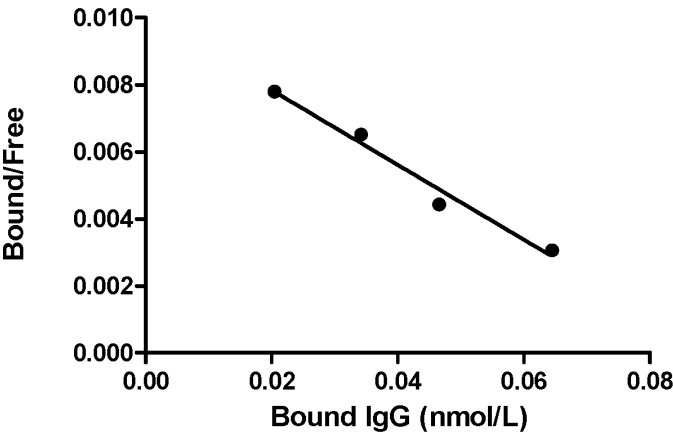


Figure 14B

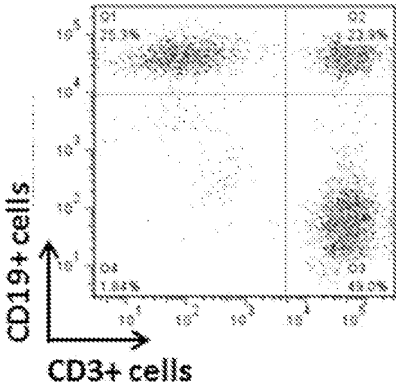


Figure 15A

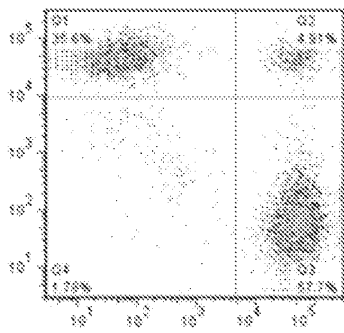


Figure 15B

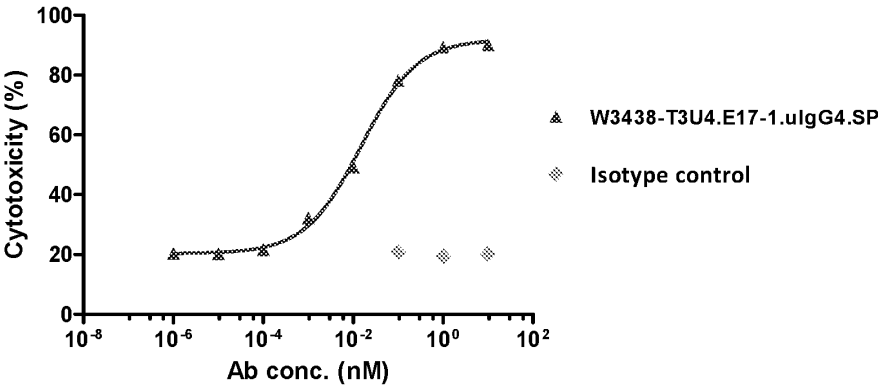


Figure 16A

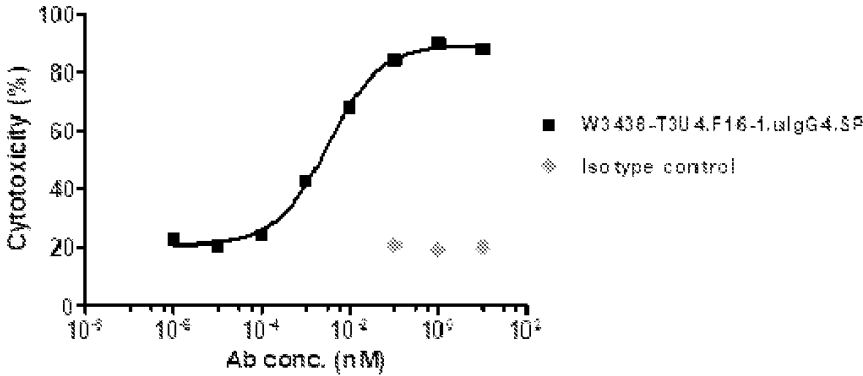


Figure 16B

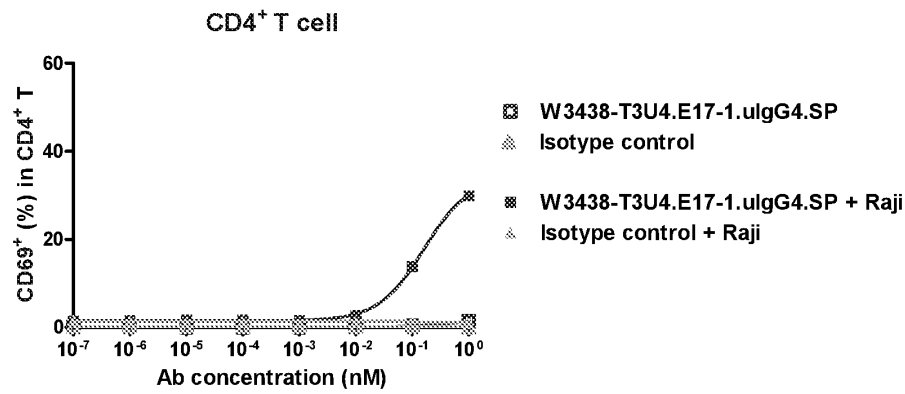


Figure 17A

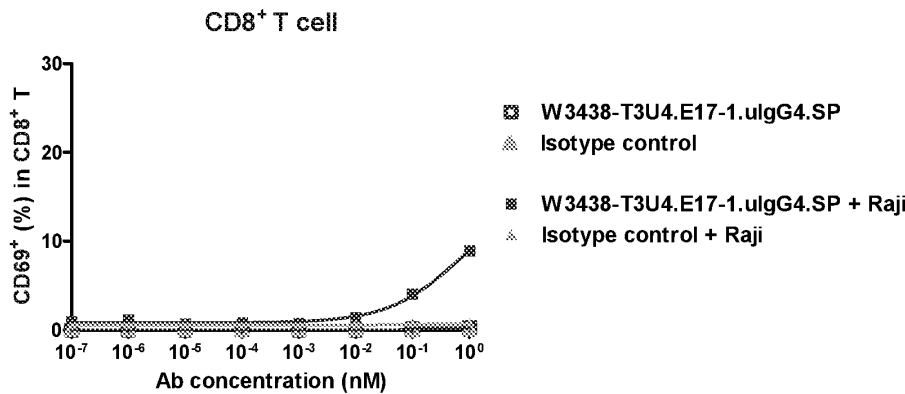


Figure 17B

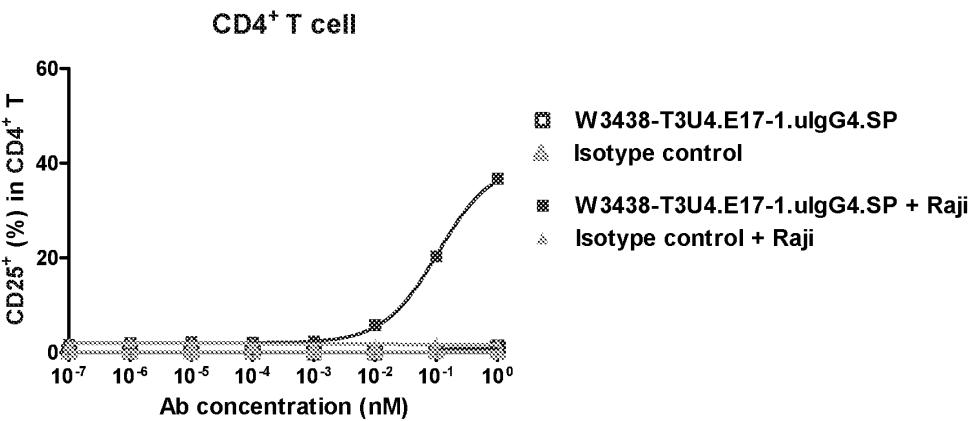


Figure 17C

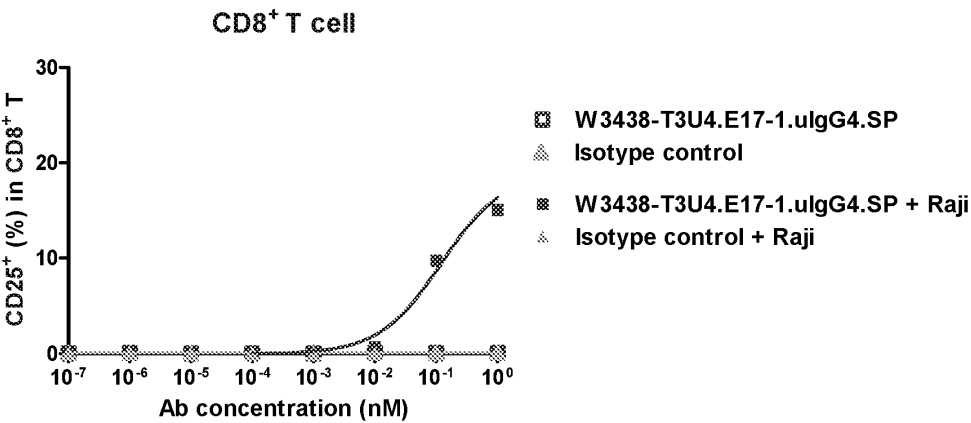


Figure 17D

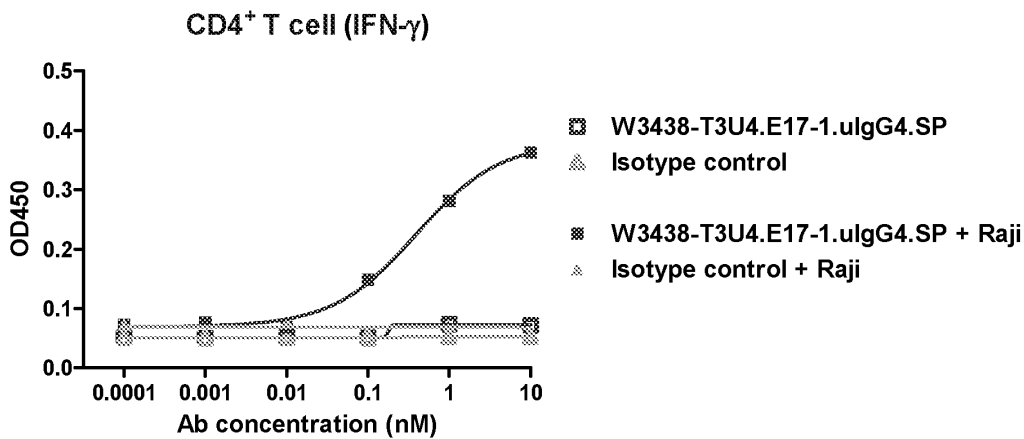


Figure 18A

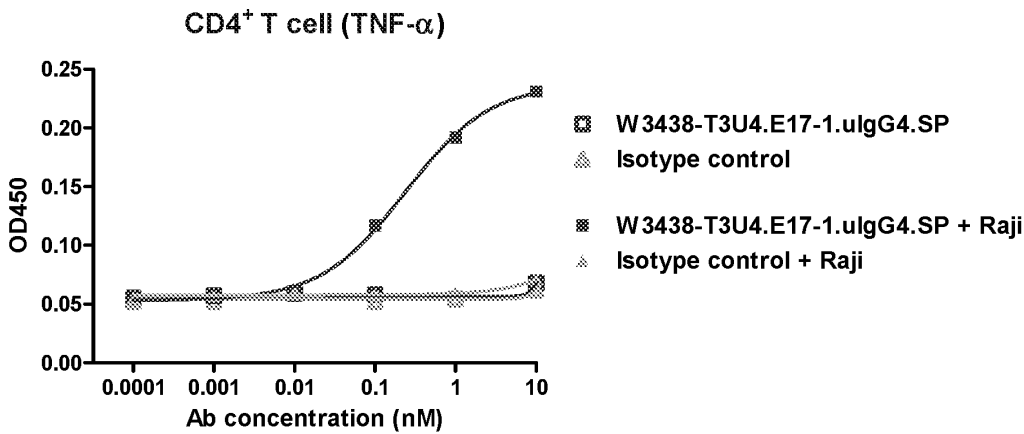


Figure 18B

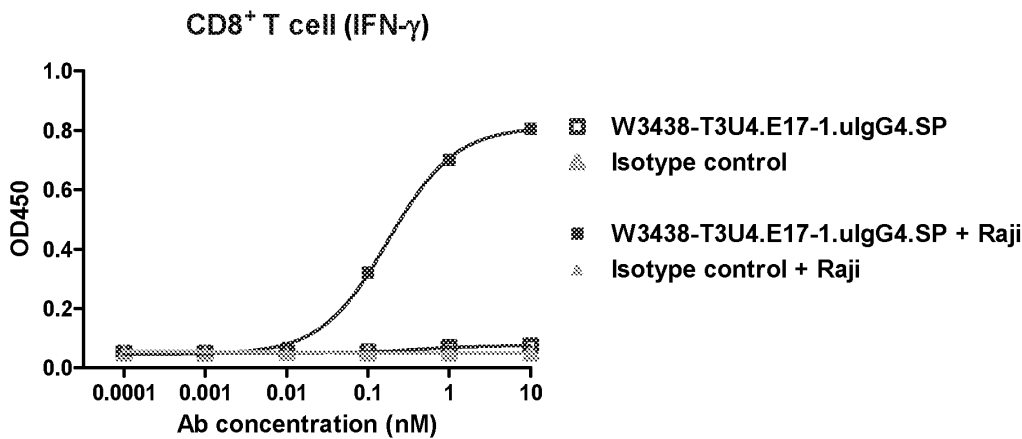


Figure 18C

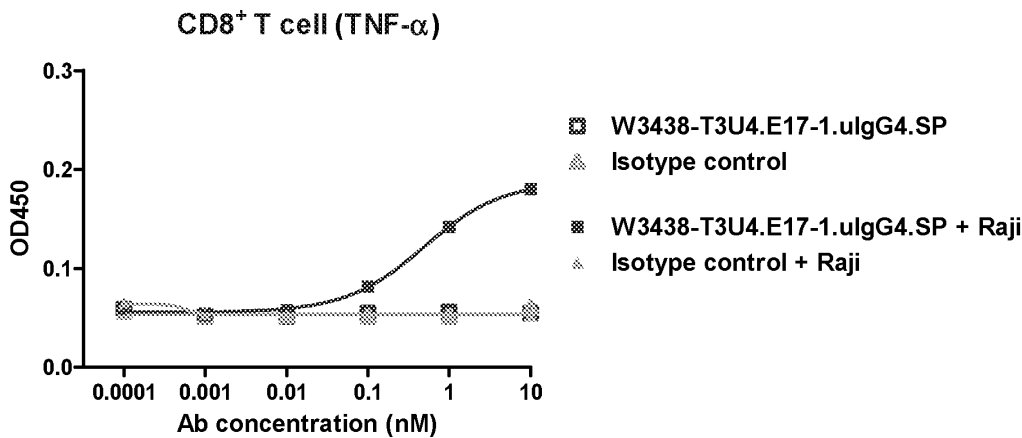


Figure 18D

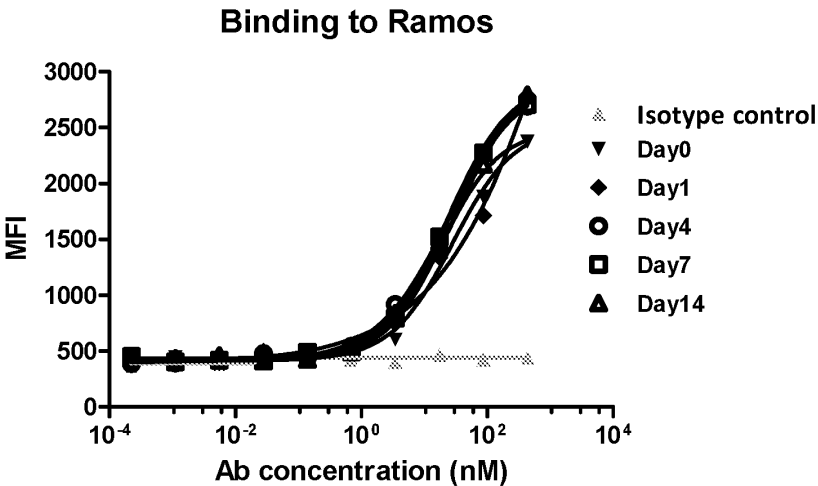


Figure 19A

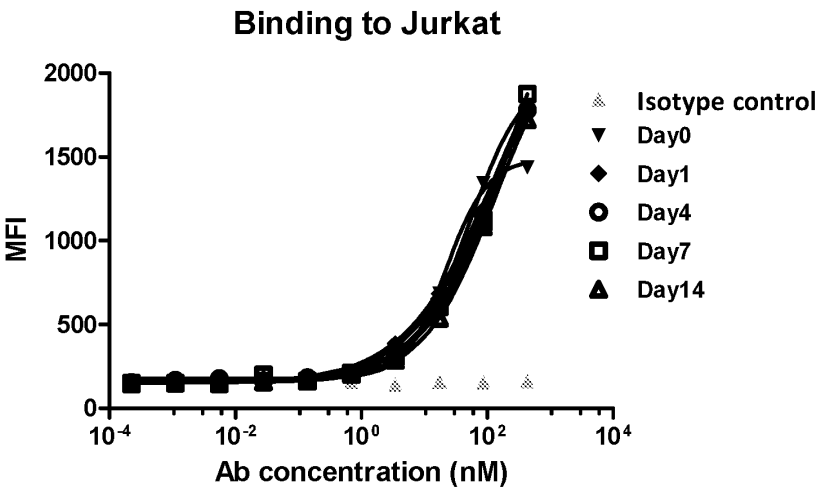


Figure 19B

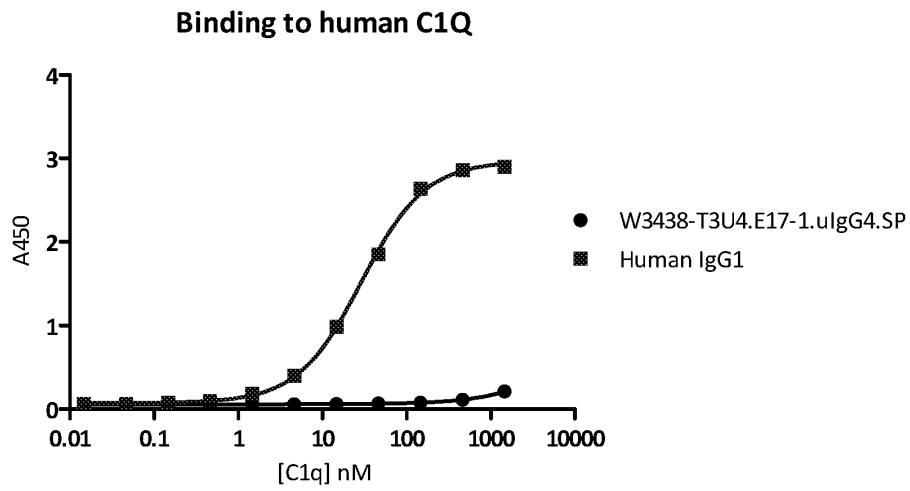


Figure 20

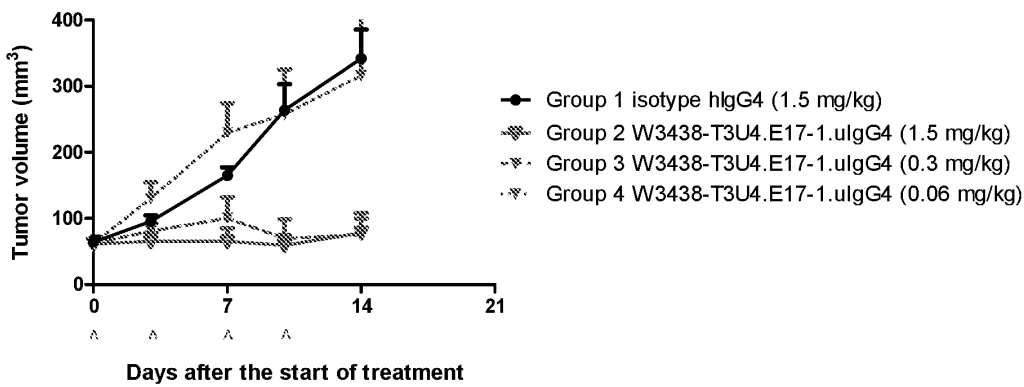


Figure 21

Concentration of antibody at different time in cyno serum

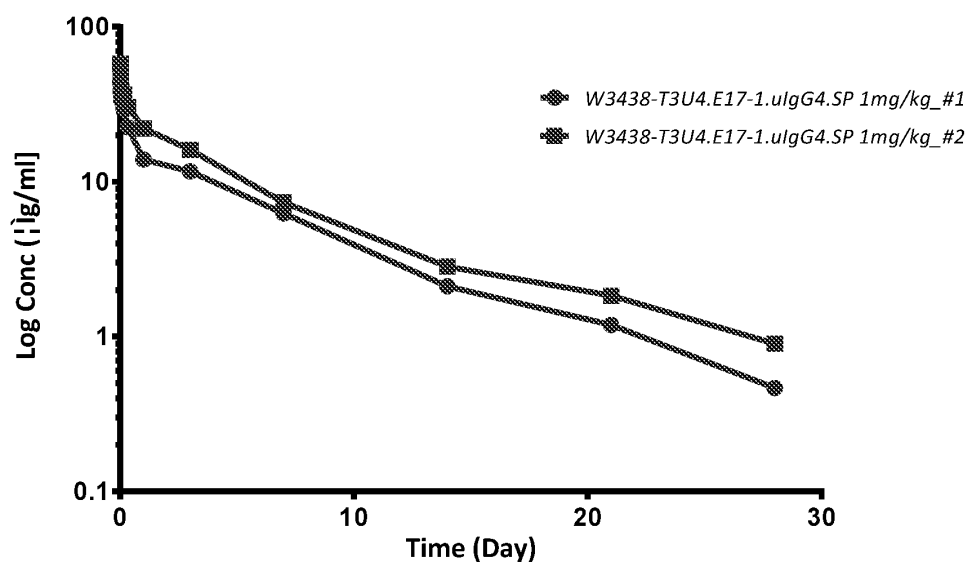


Figure 22

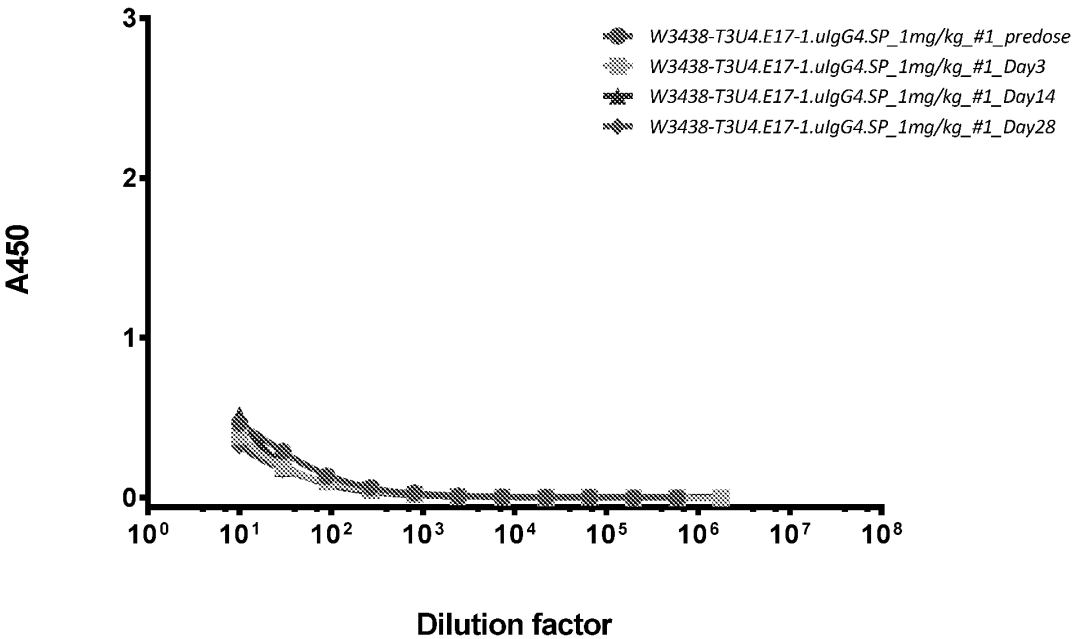


Figure 23A

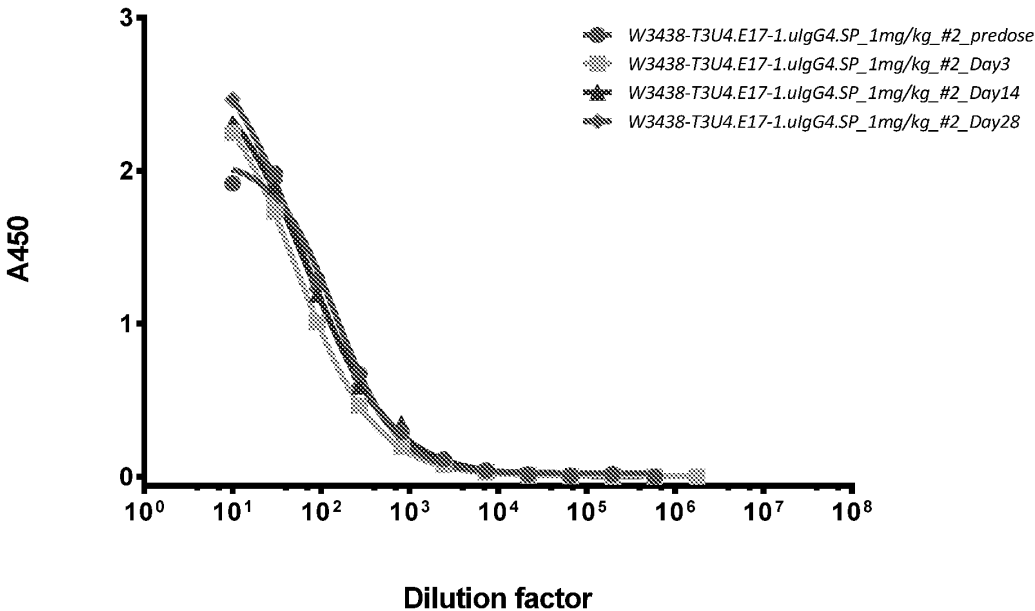


Figure 23B