

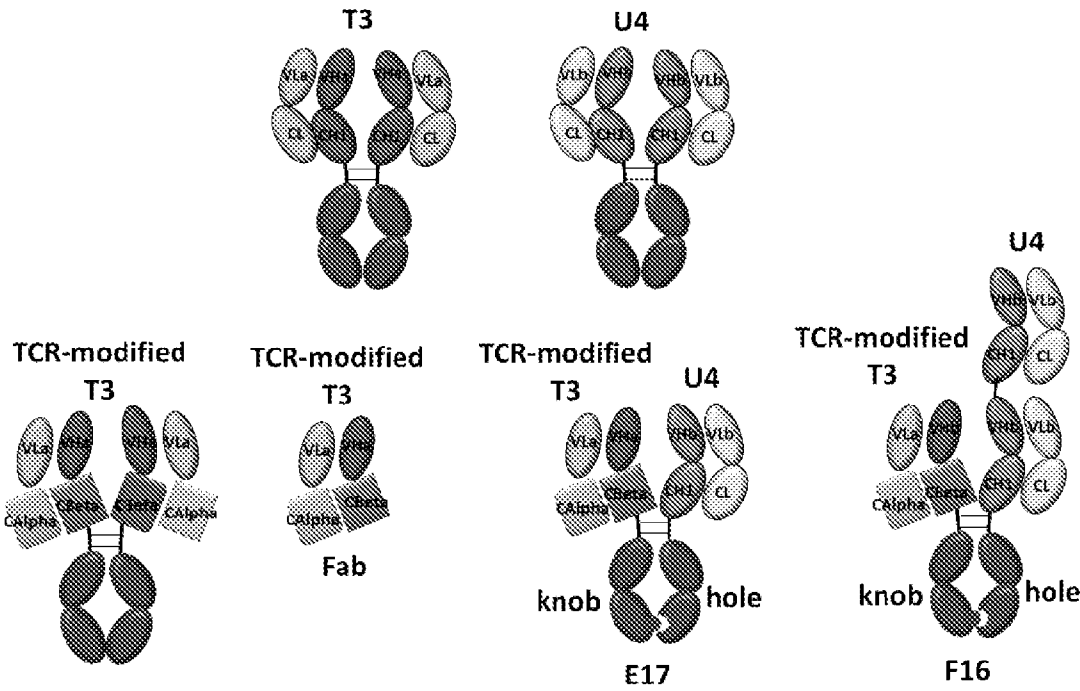


Figure 1

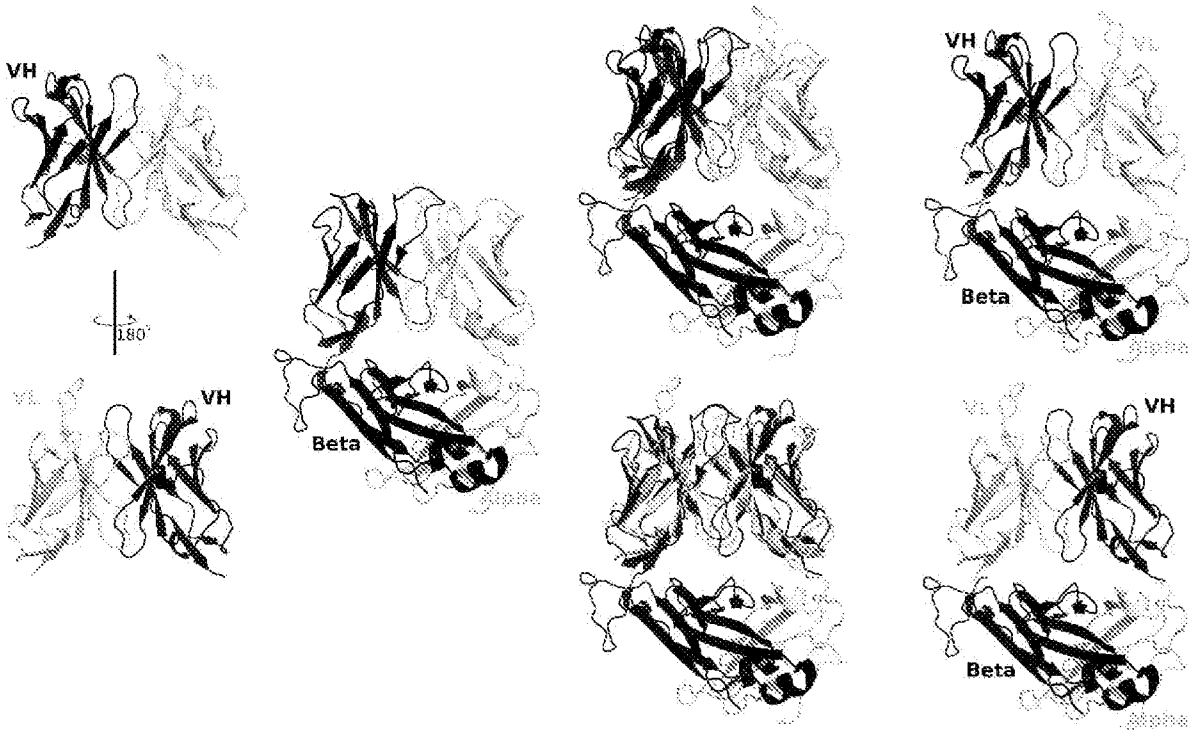


Figure 2A

Figure 2B

Figure 2C

Figure 2D

Constant region sequence of TCR **alpha chain**:

TRAC_Human	PNIQNPDP AV YQLRDSKSSD KSVCLFTDFD SQTNVSQSKD SDVYITDKTV
4L4T_Alpha_Crystal	PDIQNPDP AV YQLRDSKSSD KSVCLFTDFD SQTNVSQSKD SDVYITDKCV
TRAC_Human	LDMRSMDFKS NSAVAWSNKS DFACANAFNN SIIPEDTFFP SPESSCDVKL
4L4T_Alpha_Crystal	LDMRSMDFKS NSAVAWSNKS DFACANAFNN SIIPEDTFFP SPESS-----
TRAC_Human	VEKSFETDTN LNFQNLSVIG 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	EDLNKVFPE VAVFEPSEAE ISHTQKATLV CLATGFFPDH VELSWWVNGK
4L4T_Beta_Crystal	EDLNKVFPE VAVFEPSEAE ISHTQKATLV CLATGFYPDH VELSWWVNGK
TRBC1_Human	EVHSGVSTDP QPLKEQPALN DSRVCLSSRL RVSAITWQNP RNHFRCQVQF
4L4T_Beta_Crystal	EVHSGVCTDP QPLKEQPALN DSRVCLSSRL RVSAITWQNP RNHFRCQVQF
TRBC1_Human	YGLSENDEWT QDRAKPVTQI VSAEAWGRAD CGFTSVSYQQ GVLSATILYE
4L4T_Beta_Crystal	YGLSENDEWT QDRAKPVTQI VSAEAWGRAD -----
TRBC1_Human	ILLGKATLYA VLVSALVMA MVK RKDF-- 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						PNIQNPDP AV YQLRDSKSSD KSVCLFTDFD SQTNVSQSKD SDVYITDKTV
4L4T_Alpha_Crystal						PDIQNPDP AV YQLRDSKSSD KSVCLFTDFD SQTNVSQSKD SDVYITDKCV
E17_Design_2_QQQQ_IgG4						PDIQNPDP AV YQLRDSKSSD KSVCLFTDFD SQTQVSQSKD SDVYITDKCV

	51	61	71	81	95	SEQ ID NO:
TRAC_Human						LDMRSMDFKS NSAVAWSNKS DFACANAFNN SIIPEDTFFP SPSS 35
4L4T_Alpha_Crystal						LDMRSMDFKS NSAVAWSNKS DFACANAFNN SIIPEDTFFP SPSS 36
E17_Design_2_QQQQ_IgG4						LDMRSMDFKS NSAVAWSQKS DFACANAFQN SIIPEDTFFP SPSS 37

Figure 4A

Numbering Defined for Beta Constant Region:

	0 1	11	21	31	50	
TRBC1_Human						E DLNKNVFPPEV AVFEPSEAEI SHTQKATLVC LATGFFPDHV ELSWWVNGKE
4L4T_Beta_Crystal						LE DLKNVFPPEV AVFEPSEAEI SHTQKATLVC LATGFYPDHV ELSWWVNGKE
E17_Design_2_QQQQ_IgG4						LE DLKNVFPPEV AVFEPSEAEI SHTQKATLVC LATGFYPDHV ELSWWVNGKE

	51	61	71	81	100	
TRBC1_Human						VHSGVSTDPQ PLKEQPALND SRYCLSSRLR VSATFWQNPR NHFRCQVQFY
4L4T_Beta_Crystal						VHSGVCTDPQ PLKEQPALND SRYALSSRLR VSATFWQNPR NHFRCQVQFY
E17_Design_2_QQQQ_IgG4						VHSGVCTDPQ PLKEQPALQD SRYALSSRLR VSATFWQNPR NHFRCQVQFY

	101	111	124	128	SEQ ID NO:
TRBC1_Human					GLSENDEWTQ DRAKPVTQIV SAEA WGRA 38
4L4T_Beta_Crystal					GLSENDEWTQ DRAKPVTQIV SAEA WGRA 39
E17_Design_2_QQQQ_IgG4					GLSENDEWTQ DRAKPVTQIV SAEA WGRA 40

Figure 4B

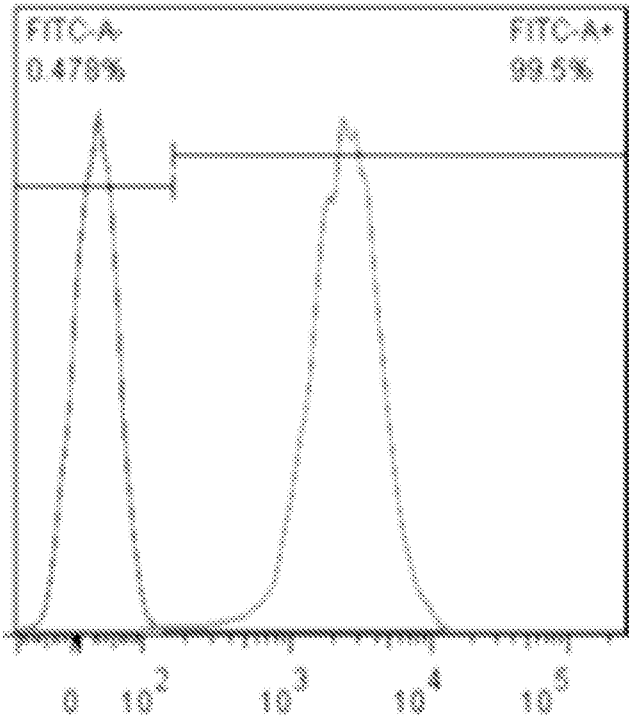


Figure 5

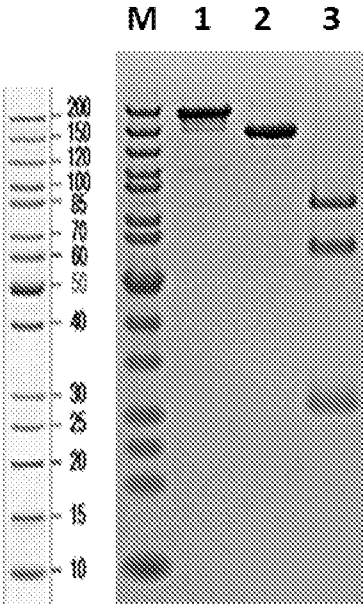


Figure 6

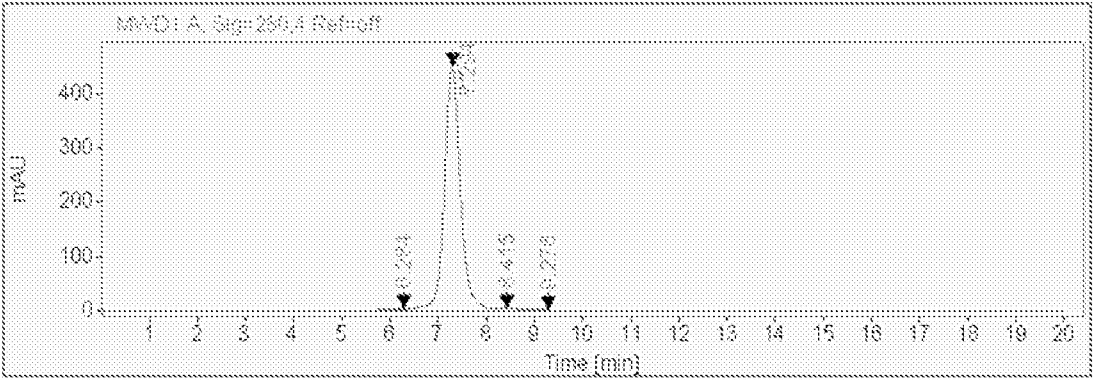


Figure 7

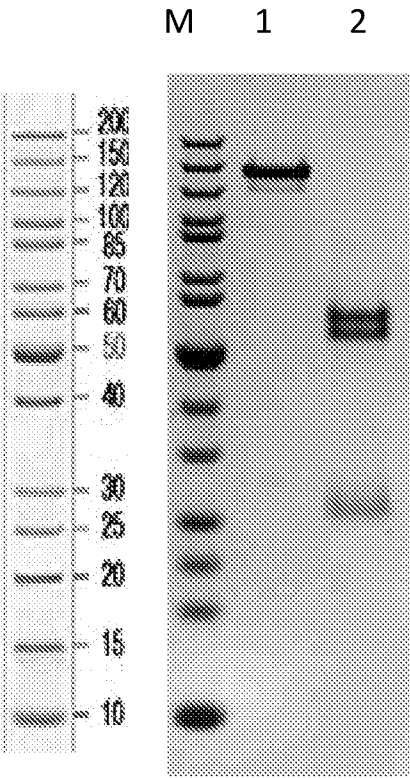


Figure 8

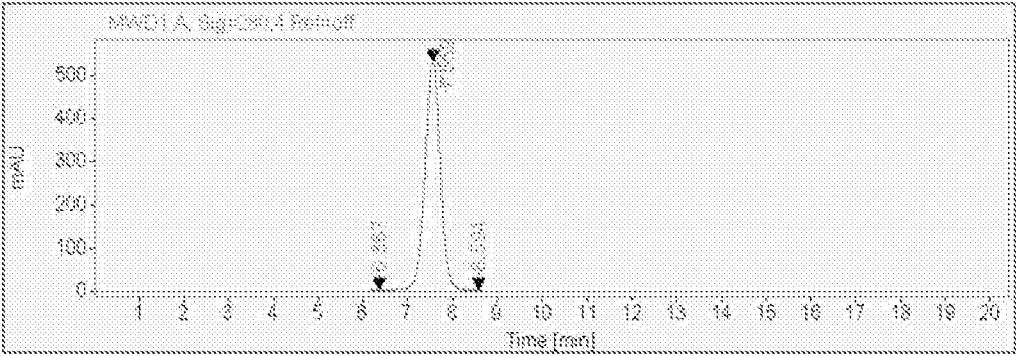


Figure 9

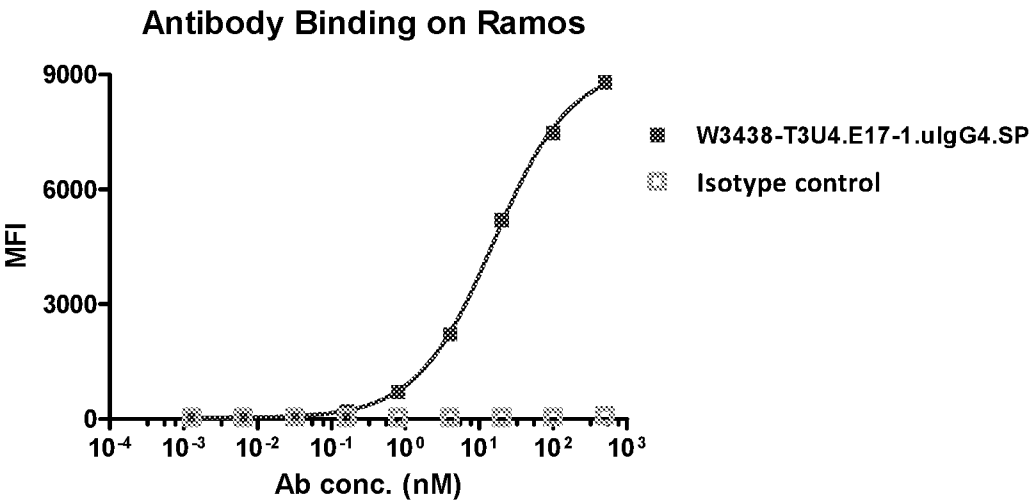


Figure 10A

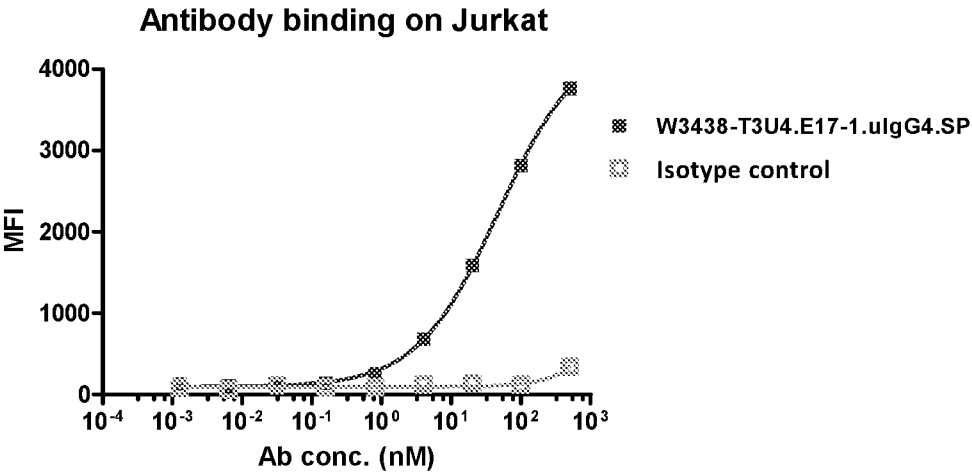


Figure 10B

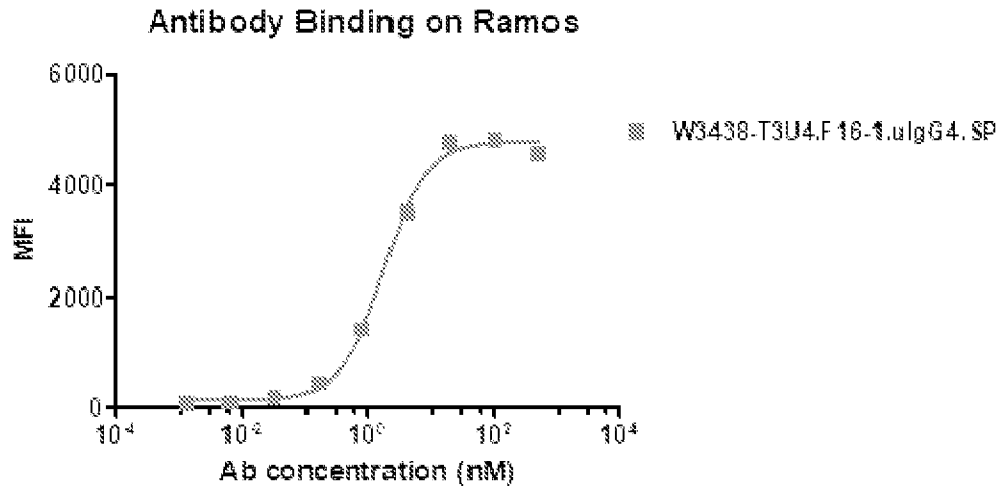


Figure 11A

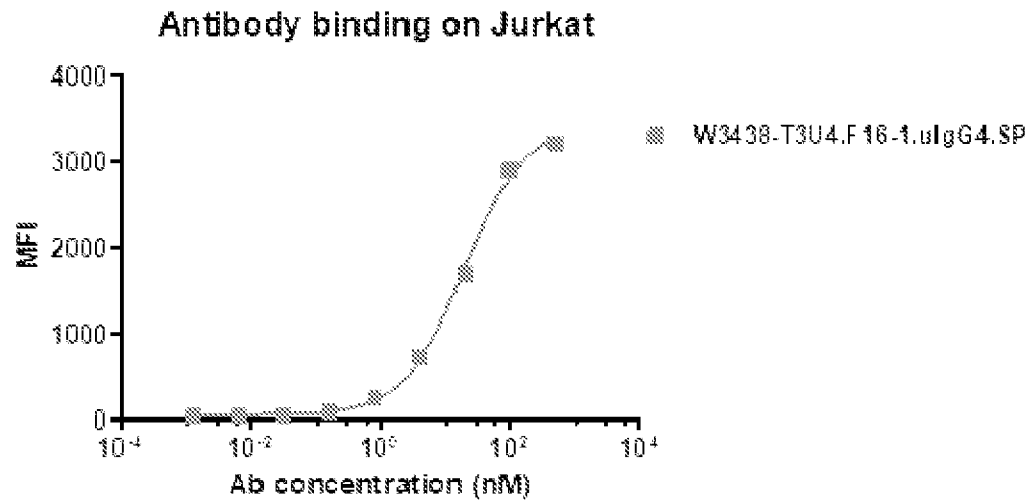


Figure 11B

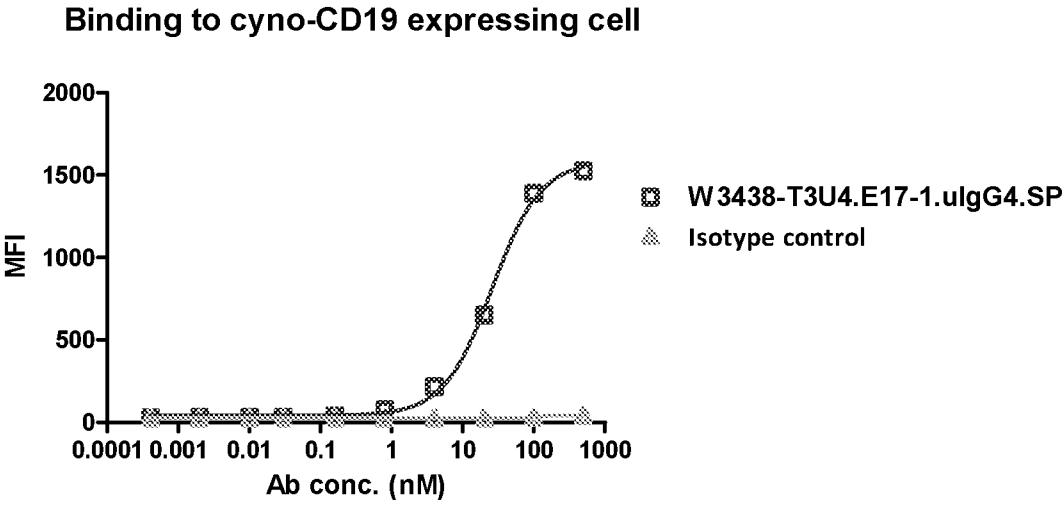


Figure 12

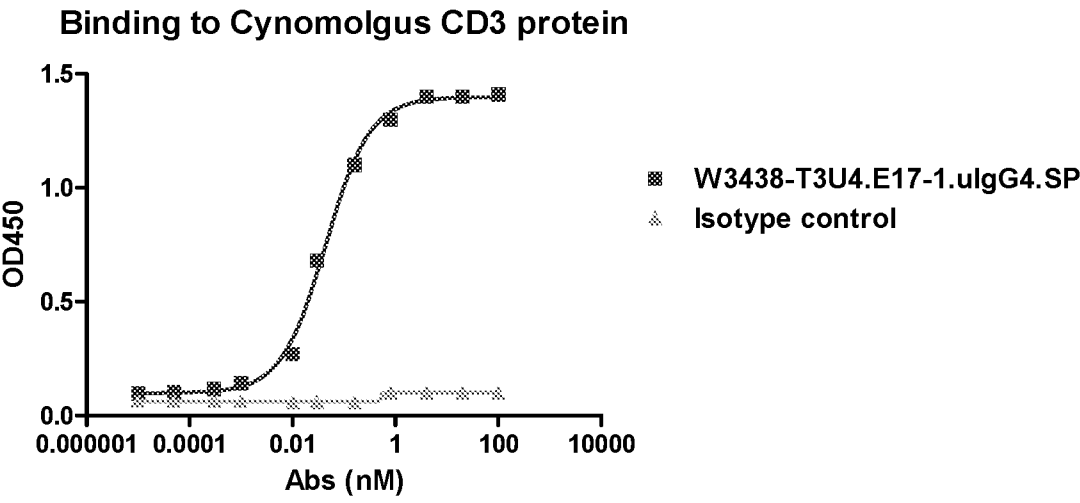


Figure 13

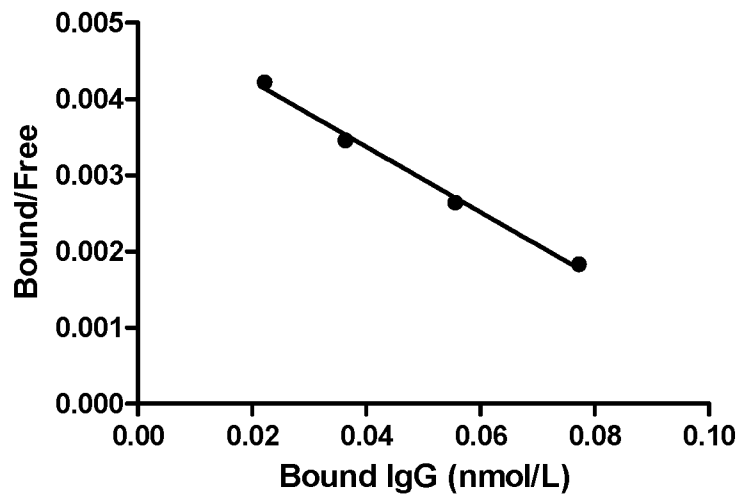
W3438-T3U4.E17-1.ulgG4.SP affinity test on Ramos

Figure 14A

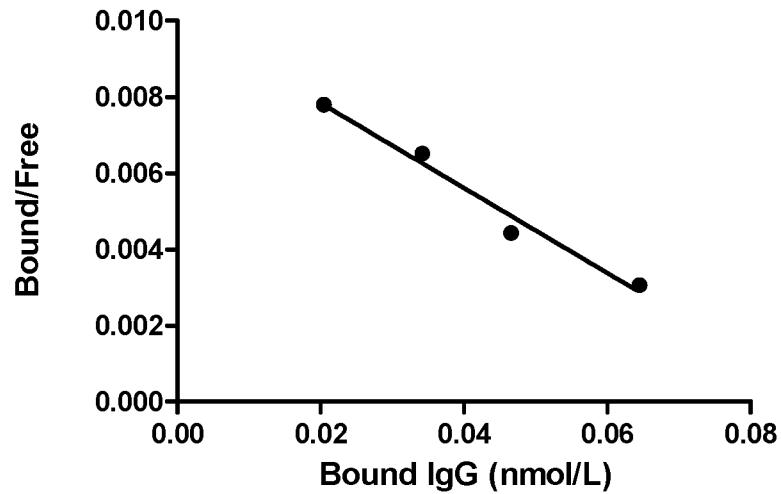
W3438-T3U4.E17-1.ulgG4.SP affinity test on Jurkat

Figure 14B

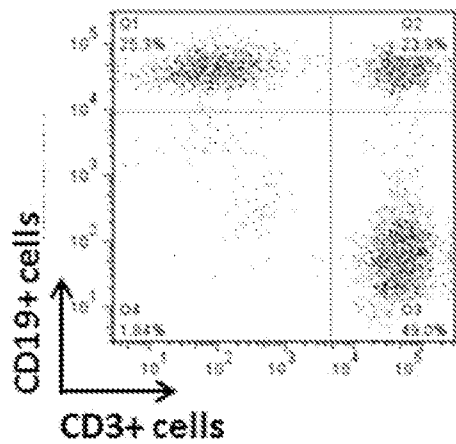


Figure 15A

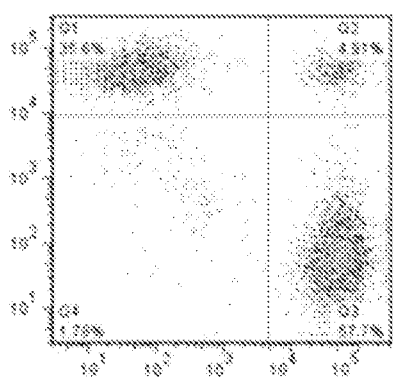


Figure 15B

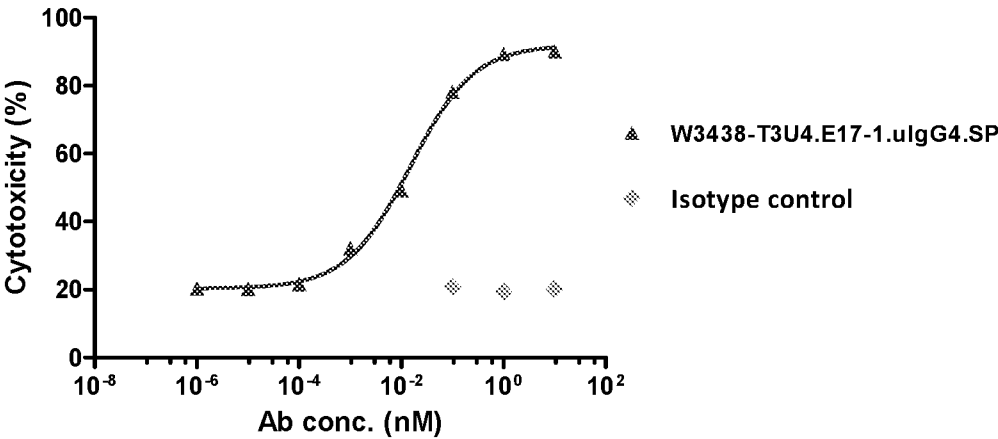


Figure 16A

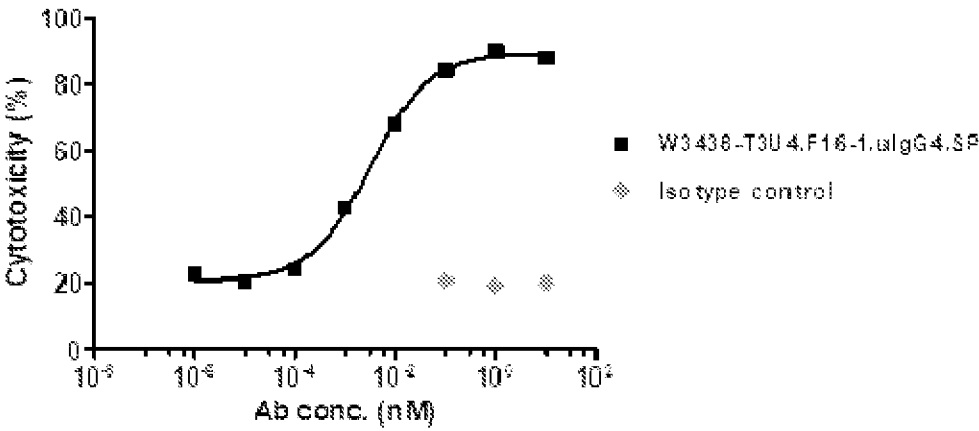


Figure 16B

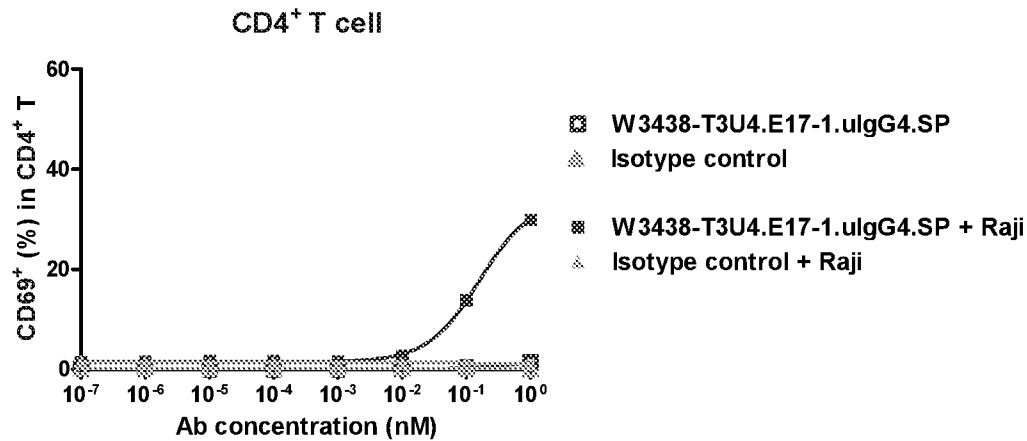


Figure 17A

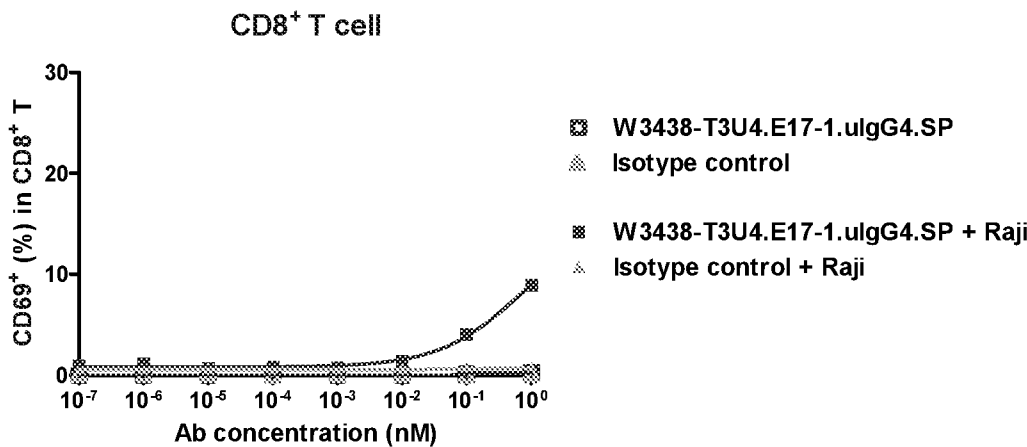


Figure 17B

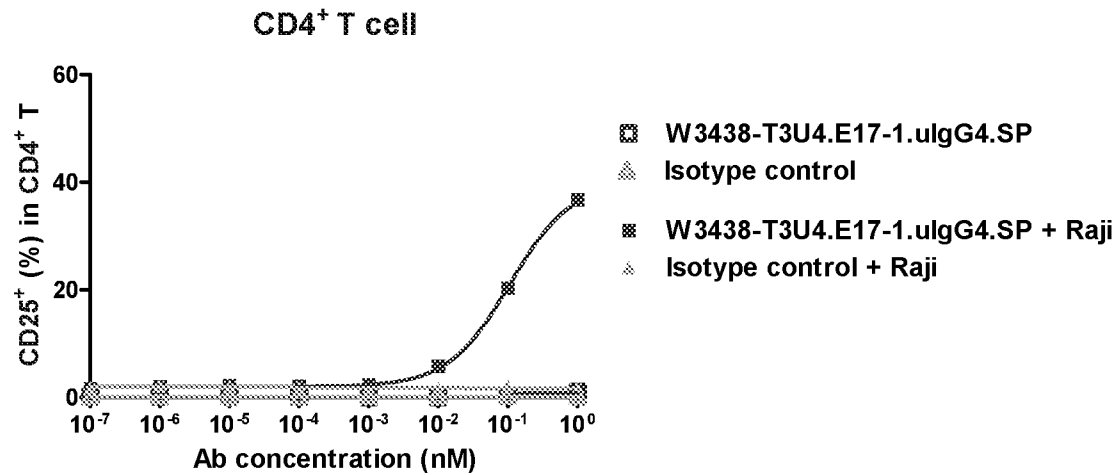


Figure 17C

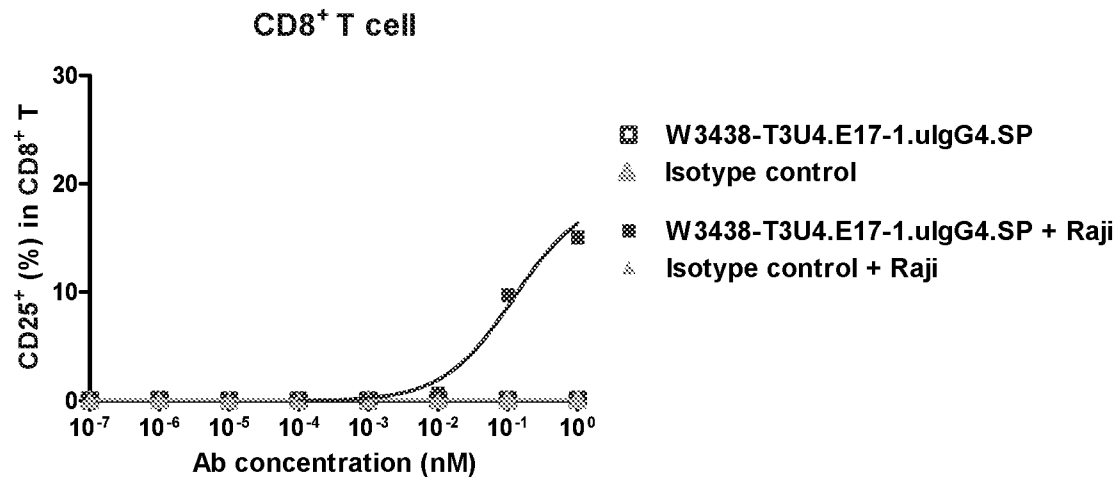


Figure 17D

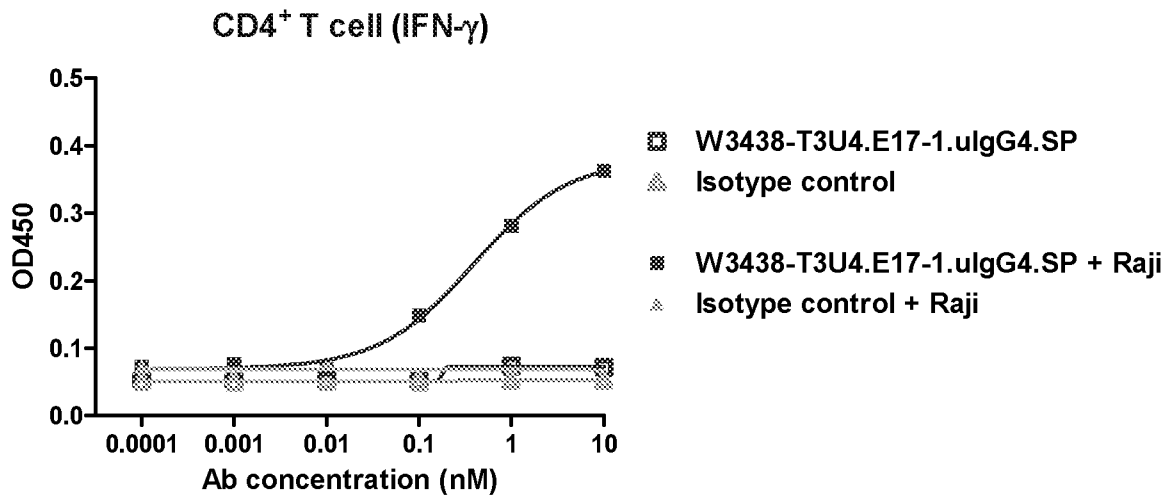


Figure 18A

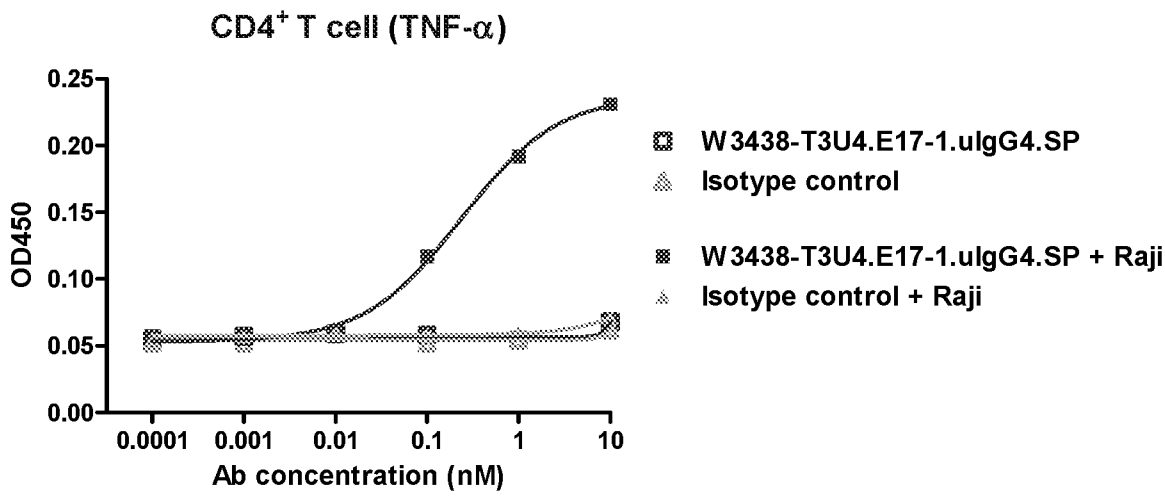


Figure 18B

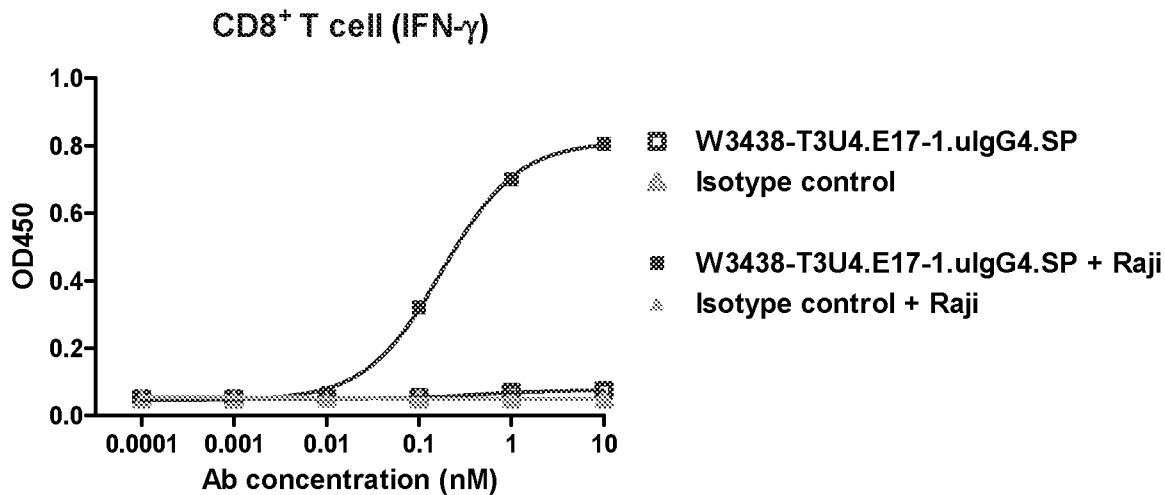


Figure 18C

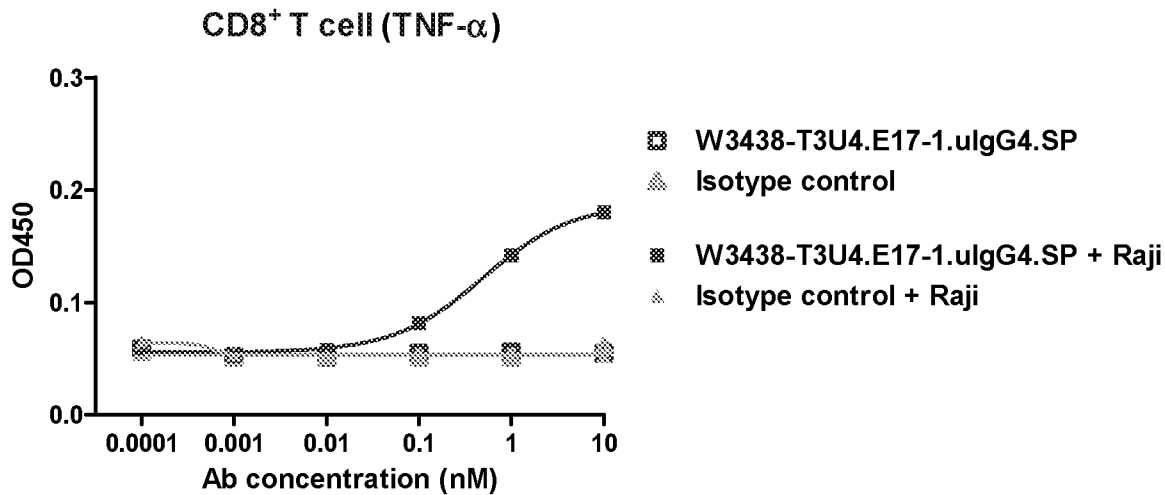


Figure 18D

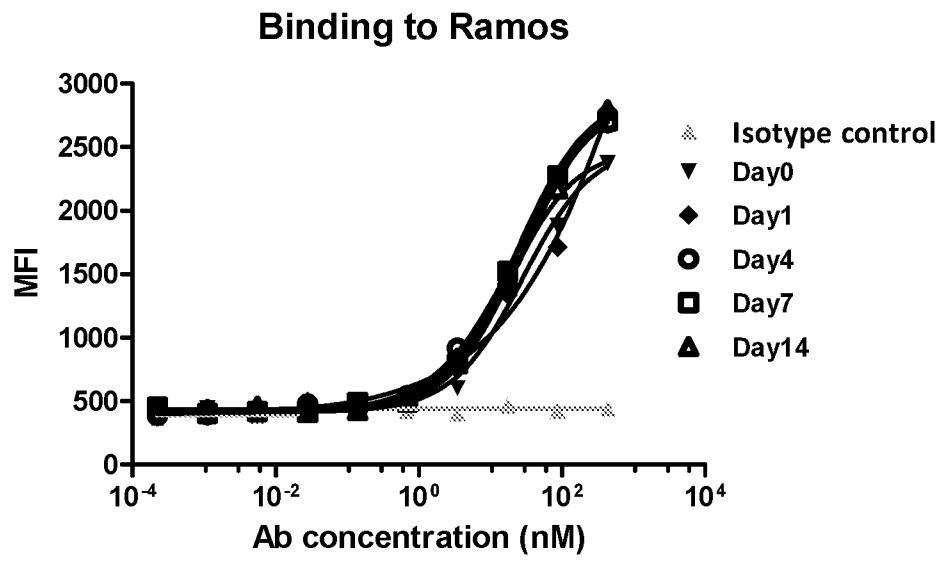


Figure 19A

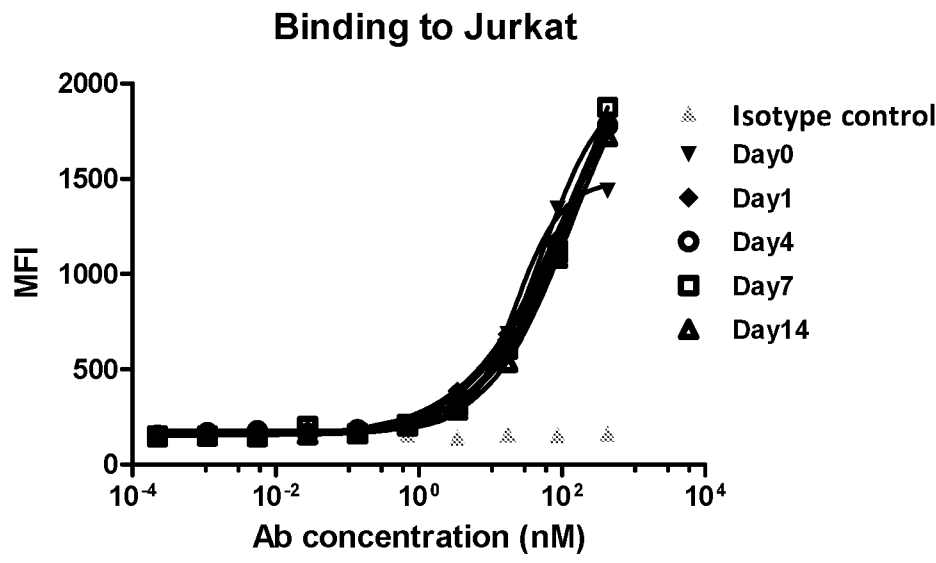


Figure 19B

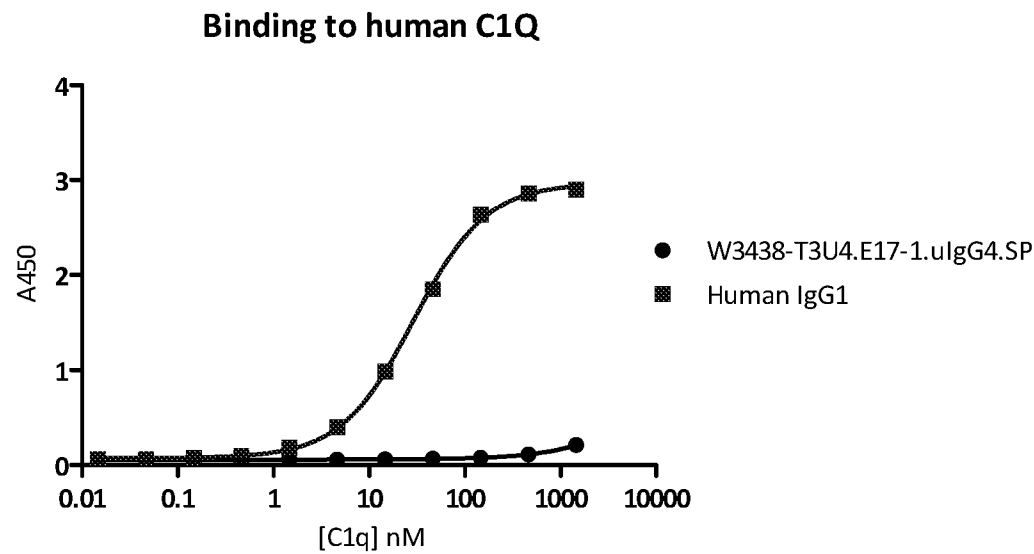


Figure 20

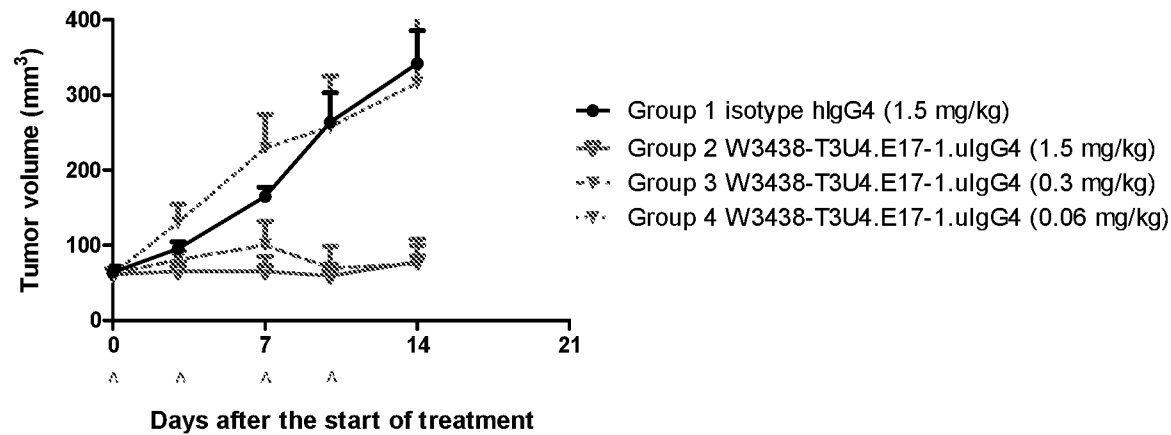


Figure 21

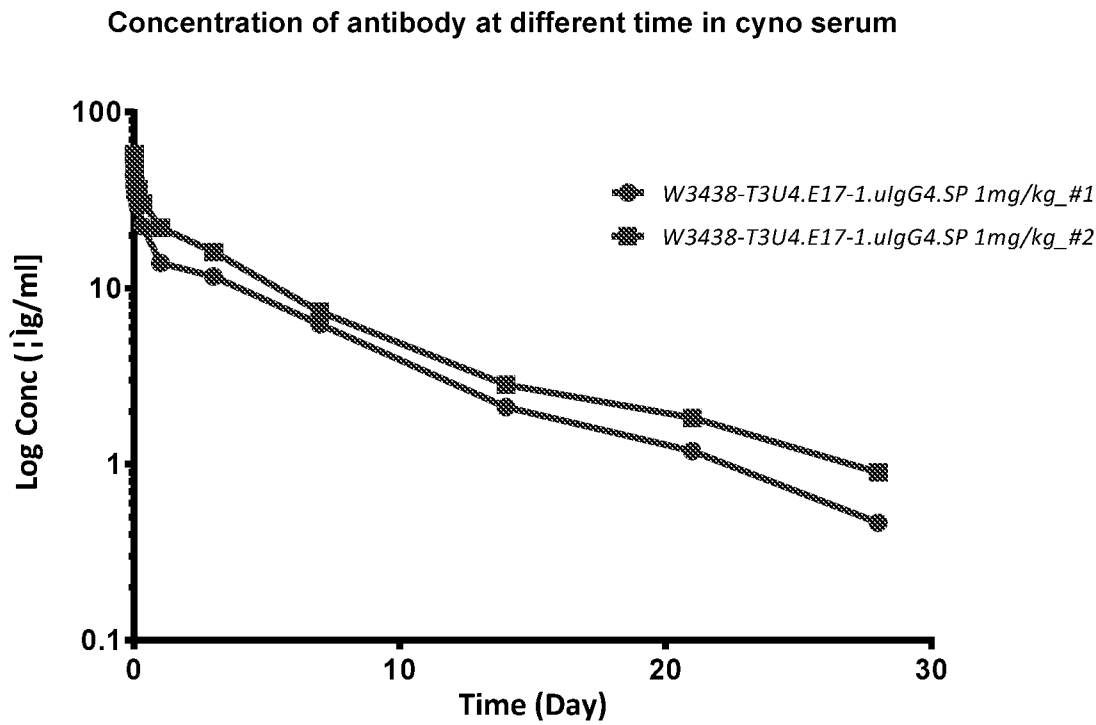


Figure 22

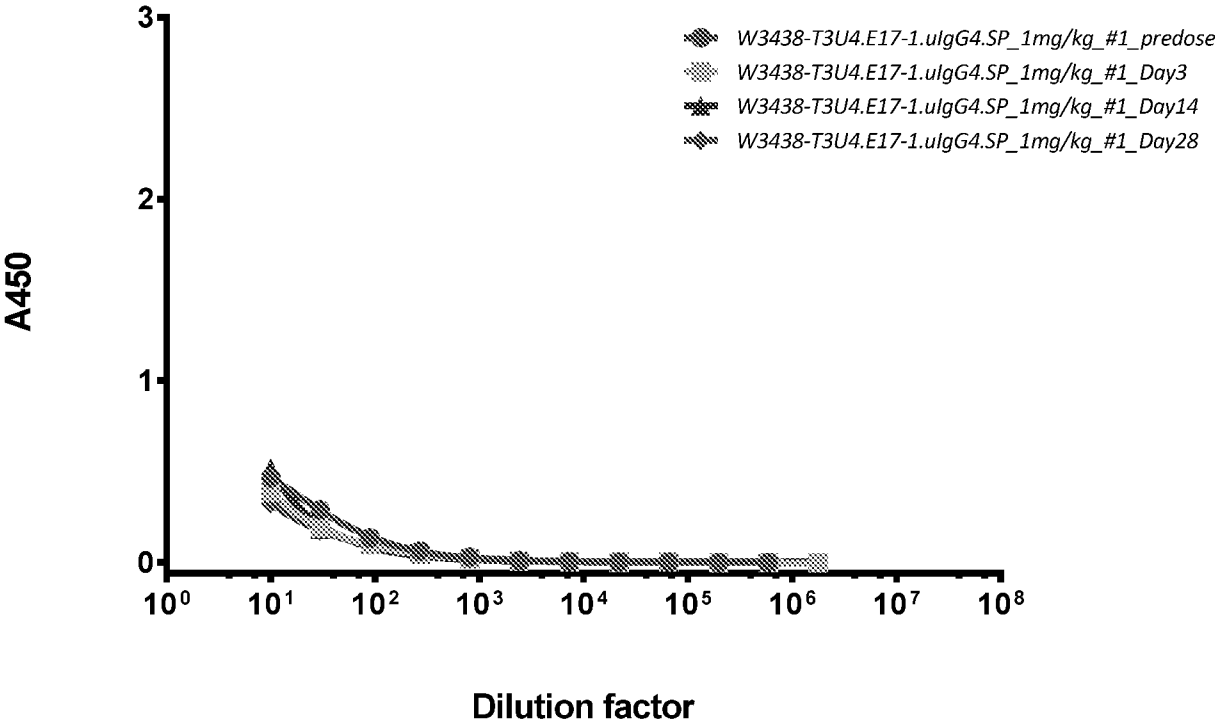


Figure 23A

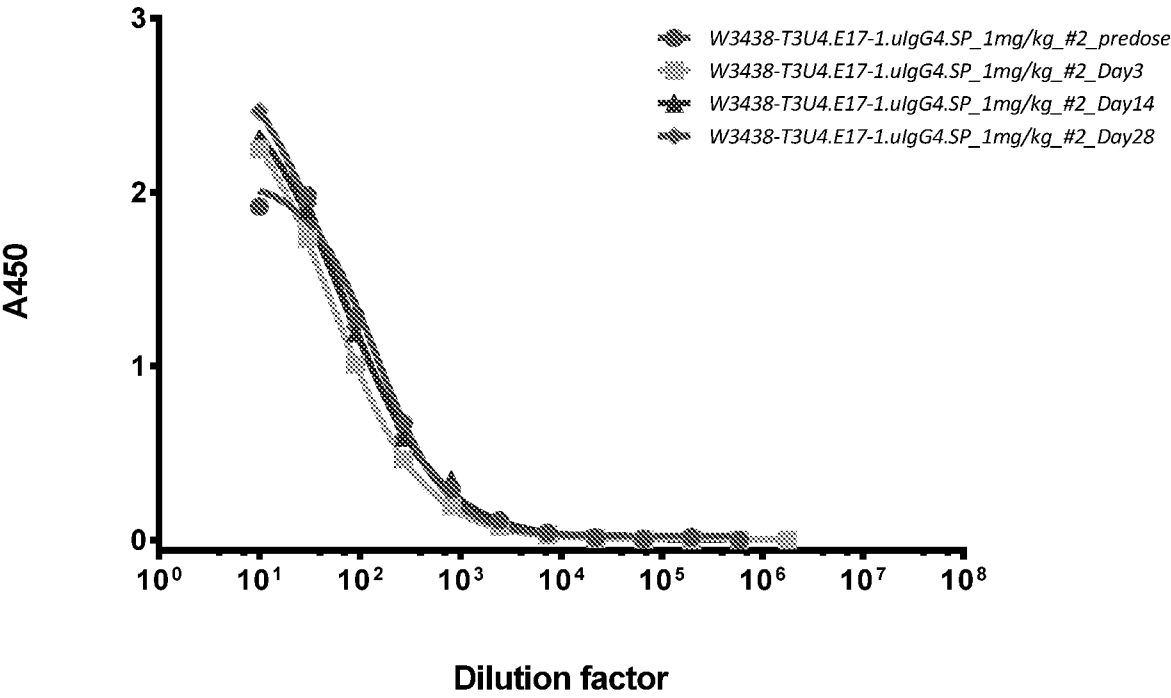


Figure 23B