

2C8 clone

DIQLTQSPSSVSASVGDRVITTCRATQGISSWLAWYQQKPGKAPKLLIYAASSLQS
GVPSRFGSGSGSGTEFTLTISLQPEDFATYYCQQANTLPLFTFGPGTKVDIK (SEQ
ID NO: 1)

LC-CDR1: RATQGISSWLA (SEQ ID NO:5)

LC-CDR2: AASSLQS (SEQ ID NO:6)

LC-CDR3: QQANTLPLFT (SEQ ID NO:7)

2C8 gl clone

DIQMTQSPSSVSASVGDRVITTCRATQGISSWLAWYQQKPGKAPKLLIYAASSLQS
GVPSRFGSGSGSGTDFTLTISLQPEDFATYYCQQANTLPLFTFGPGTKVDIK (SEQ
ID NO: 2)

LC-CDR1: RATQGISSWLA (SEQ ID NO:5)

LC-CDR2: AASSLQS (SEQ ID NO:6)

LC-CDR3: QQANTLPLFT (SEQ ID NO:7)

Figure 1

2C8 clone

QVQLQQSGPGLVKPSQTLSTCAISGDTVSSSNTAAWNWIRQSPSRGLEWLGRTYY
RSKWYSDYGLSVKSRMTINADTSKNQVSLHLNSVTPEDTAVYYCAREGSGGTLIY
WGQGTLLTVSS (SEQ ID NO: 3)

HC-CDR1:	SNTAAWN	(SEQ ID NO:8)
HC-CDR2:	RTYYRSKWYSDYGLSVKS	(SEQ ID NO:9)
HC-CDR3:	EGSGGTLIY	(SEQ ID NO:10)

2C8_g1 clone

QVQLQQSGPGLVKPSQTLSTCAISGDSVSSSNTAAWNWIRQSPSRGLEWLGRTYY
RSKWYSDYGLSVKSRITINPDTSKNQFSLQLNSVTPEDTAVYYCAREGSGGTLIYW
GQGTLLTVSS (SEQ ID NO: 4)

HC-CDR1:	SNTAAWN	(SEQ ID NO:8)
HC-CDR2:	RTYYRSKWYSDYGLSVKS	(SEQ ID NO:9)
HC-CDR3:	EGSGGTLIY	(SEQ ID NO:10)

Figure 2

Light chain variable domains**2C8 clone**

>2C8_aa_L

DIQLTQSPSSVSASVGDRVITICRATQGISSWLAWYQQKPGKAPKLLIYAASSLQS
GVPSRFSGSGSGTEFTLTISSLQPEDFATYYCQQANTLPLFTFGPGTKVDIK [SEQ
ID NO:1]

>2C8_ntd_L

GACATCCAGTTGACCCAGTCTCCATCTTCTGTGTCTGCATCTGTGGGAGACAGA
GTCACCATCACTTGTCGGGCGACTCAGGGTATAAGCAGCTGGTTAGCCTGGTA
TCAGCAGAAACCAGGGAAAGCCCCTAAGCTCCTGATCTATGCTGCATCCAGTTT
GCAAAGTGGGGTCCCATCCAGGTTTCAGCGGCAGTGGCTCTGGGACAGAGTTC
ACTCTCACTATCAGCAGCCTGCAGCCTGAAGATTTTGCAACTTACTATTGTCAAC
AGGCTAATACTCTCCCCTTATTCACCTTCGGGCCCTGGGACCAAAGTGGATATCA
AA [SEQ ID NO:11]

2C8_gI clone

>2C8_gI_aa_L

DIQMTQSPSSVSASVGDRVITICRATQGISSWLAWYQQKPGKAPKLLIYAASSLQS
GVPSRFSGSGSGTDFTLTISSLQPEDFATYYCQQANTLPLFTFGPGTKVDIK [SEQ
ID NO:2]

>2C8_gI_ntd_L

GACATCCAGATGACCCAGTCTCCATCTTCTGTGTCTGCATCTGTGGGAGACAGA
GTCACCATCACTTGTCGGGCGACTCAGGGTATAAGCAGCTGGTTAGCCTGGTA
TCAGCAGAAACCAGGGAAAGCCCCTAAGCTCCTGATCTATGCTGCATCCAGTTT
GCAAAGTGGGGTCCCATCCAGGTTTCAGCGGCAGTGGCTCTGGGACAGATTTCA
CTCTCACTATCAGCAGCCTGCAGCCTGAAGATTTTGCAACTTACTATTGTCAACA
GGCTAATACTCTCCCCTTATTCACCTTCGGGCCCTGGGACCAAAGTGGATATCAA
A [SEQ ID NO:12]

Figure 3

Heavy chain variable domains**2C8 clone**

>2C8_aa_H

QVQLQQSGPGLVKPSQTLSTCAISGDTVSSNTAAWNWIRQSPSRGLEWLGRTYY
 RSKWYSDYGLSVKSRMTINADTSKNQVSLHLNSVTPEDTAVYYCAREGSGGTLIY
 WGQGTLVTVSS [SEQ ID NO:3]

>2C8_ntd_H

CAGGTACAGCTGCAGCAGTCAGGTCCAGGACTGGTGAAGCCCTCGCAGACCC
 TCTCACTCACCTGCGCCATCTCCGGGGACACTGTCTCTAGCAACACTGCTGCTT
 GGAATTGGATCAGGCAGTCCCCCTCGAGAGGCCTTGAGTGGCTGGGAAGGAC
 ATACTACAGGTCCAAGTGGTATAGTGACTATGGACTATCTGTGAAAAGTCGGAT
 GACCATCAATGCAGACACATCCAAGAACCAGGTCTCCCTACACCTGAACTCTGT
 AACTCCCGAAGACACGGCTGTATATTACTGTGCAAGAGAGGGCAGTGGCGGAA
 CTTTGATCTACTGGGGCCAGGGAACCCTGGTCACCGTCTCAAGC [SEQ ID
 NO:13]

2C8_gI clone

>2C8_gI_aa_H

QVQLQQSGPGLVKPSQTLSTCAISGDSVSSNTAAWNWIRQSPSRGLEWLGRTYY
 RSKWYSDYGLSVKSRITINPDTSKNQFSLQLNSVTPEDTAVYYCAREGSGGTLIYW
 GQGTLVTVSS [SEQ ID NO:4]

>2C8_gI_ntd_H

CAGGTACAGCTGCAGCAGTCAGGTCCAGGACTGGTGAAGCCCTCGCAGACCC
 TCTCACTCACCTGCGCCATCTCCGGGGACAGTGTCTCTAGCAACACTGCTGCTT
 GGAATTGGATCAGGCAGTCCCCCTCGAGAGGCCTTGAGTGGCTGGGAAGGAC
 ATACTACAGGTCCAAGTGGTATAGTGACTATGGACTATCTGTGAAAAGTCGGAta
 ACCATCAATCCAGACACATCCAAGAACCAGTTCTCCCTACAGCTGAACTCTGTA
 ACTCCCGAAGACACGGCTGTATATTACTGTGCAAGAGAGGGCAGTGGCGGGAAC
 TTTGATCTACTGGGGCCAGGGAACCCTGGTCACCGTCTCAAGC [SEQ ID NO:14]

Figure 3 (cont.)

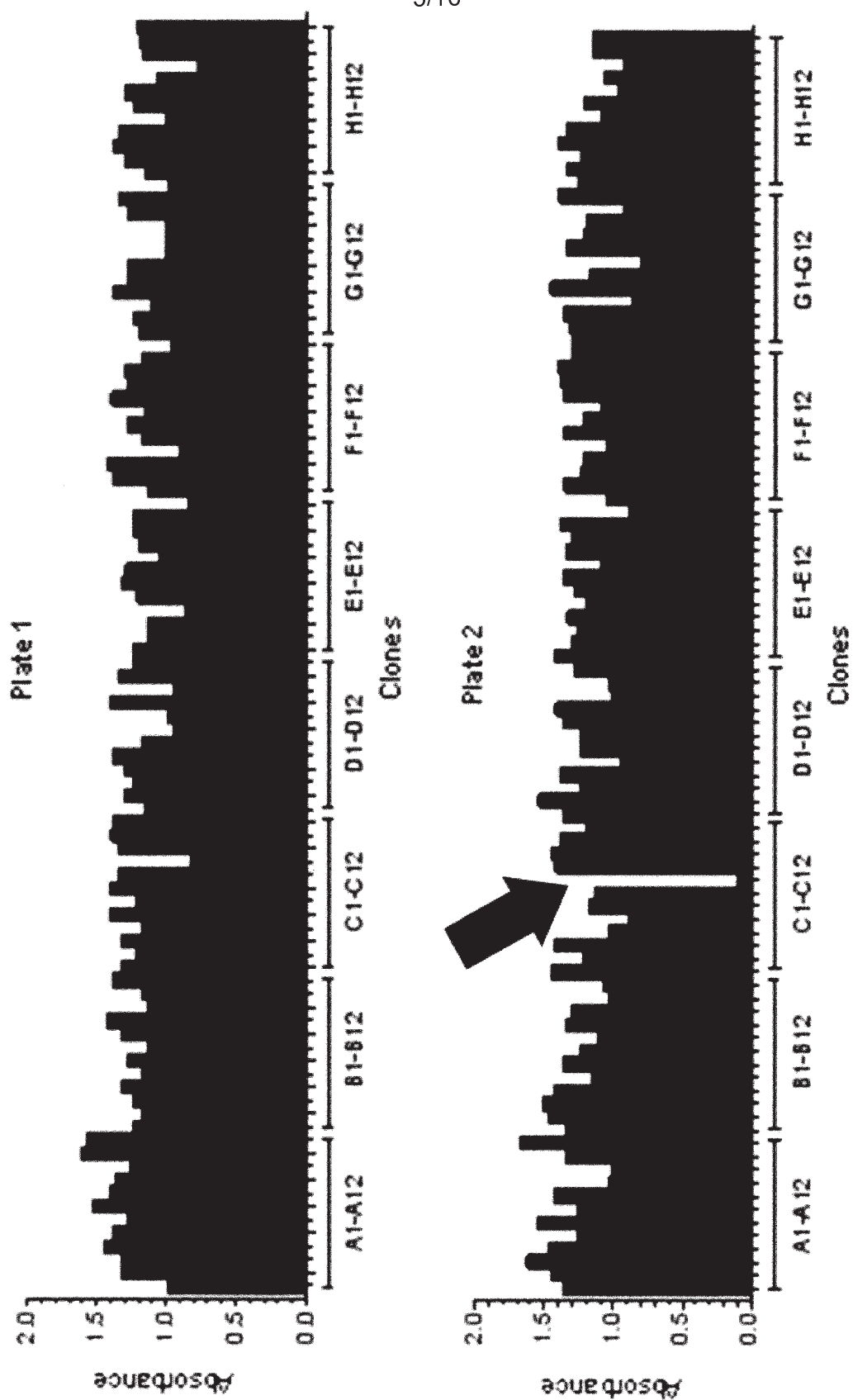


Figure 4

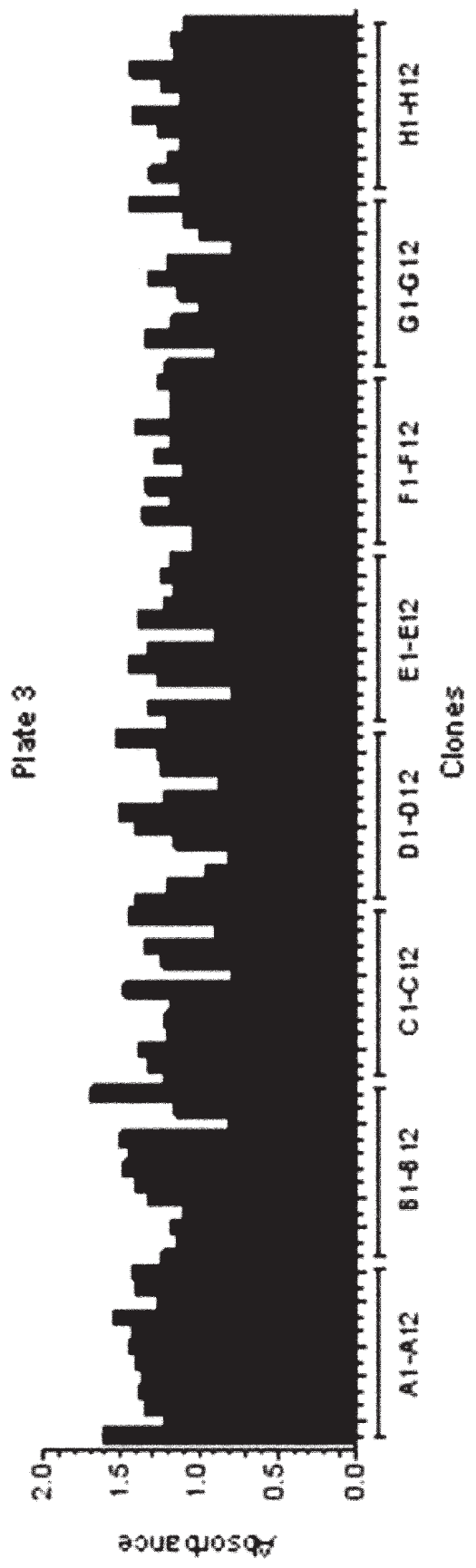
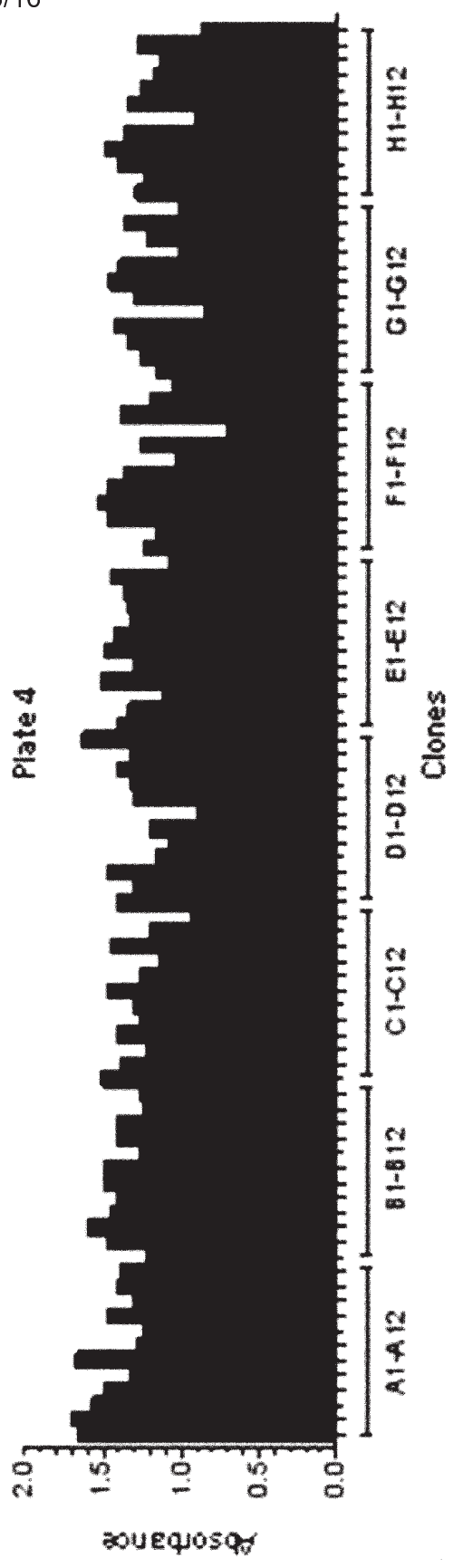


Figure 4 (cont.)

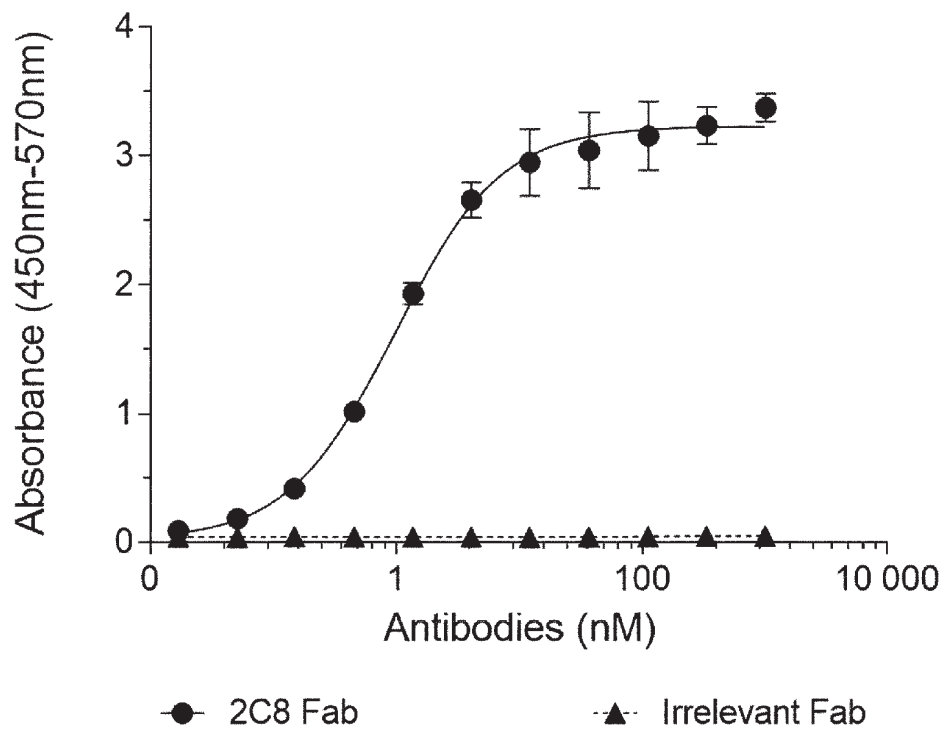


Figure 5

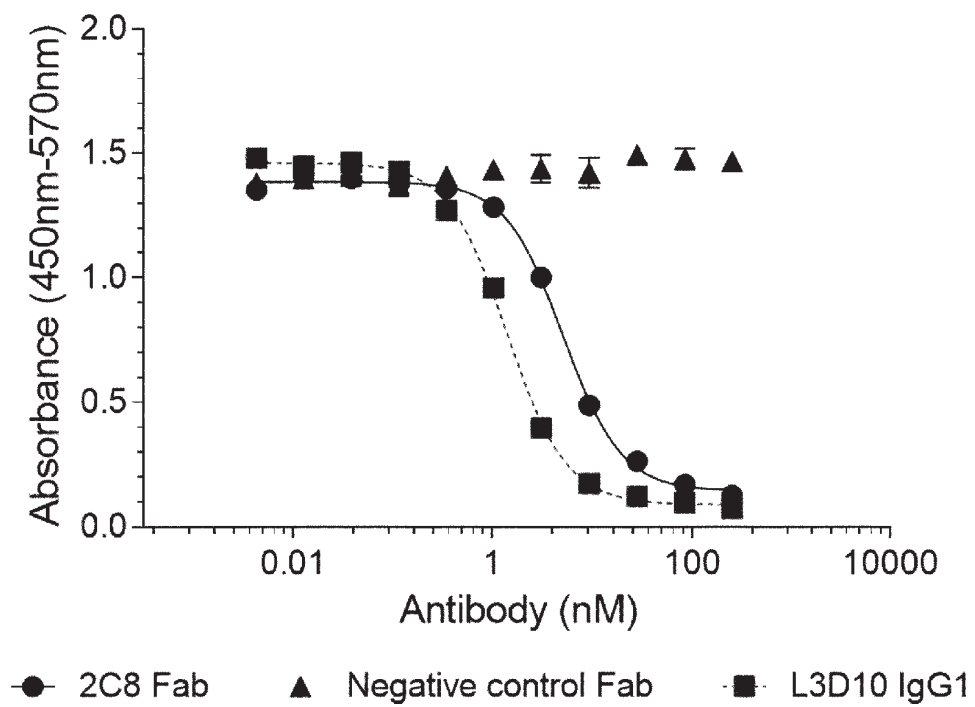
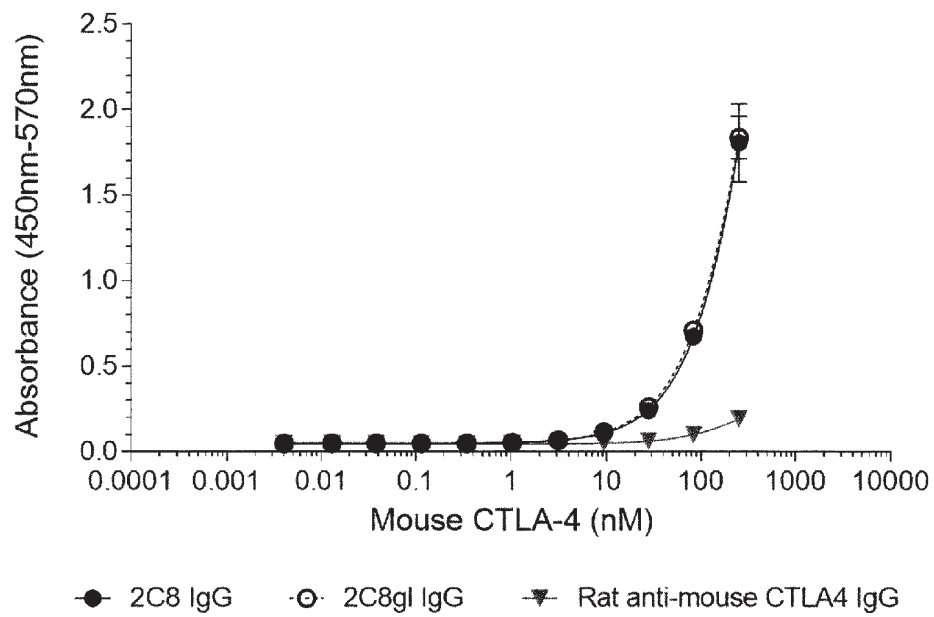
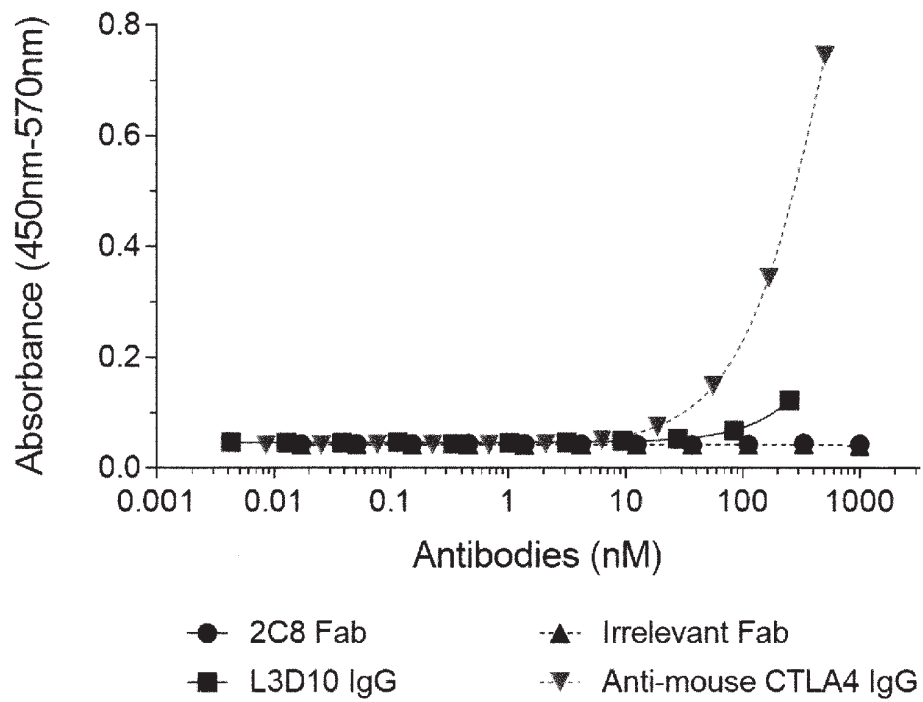


Figure 6

**Figure 7****Figure 8**

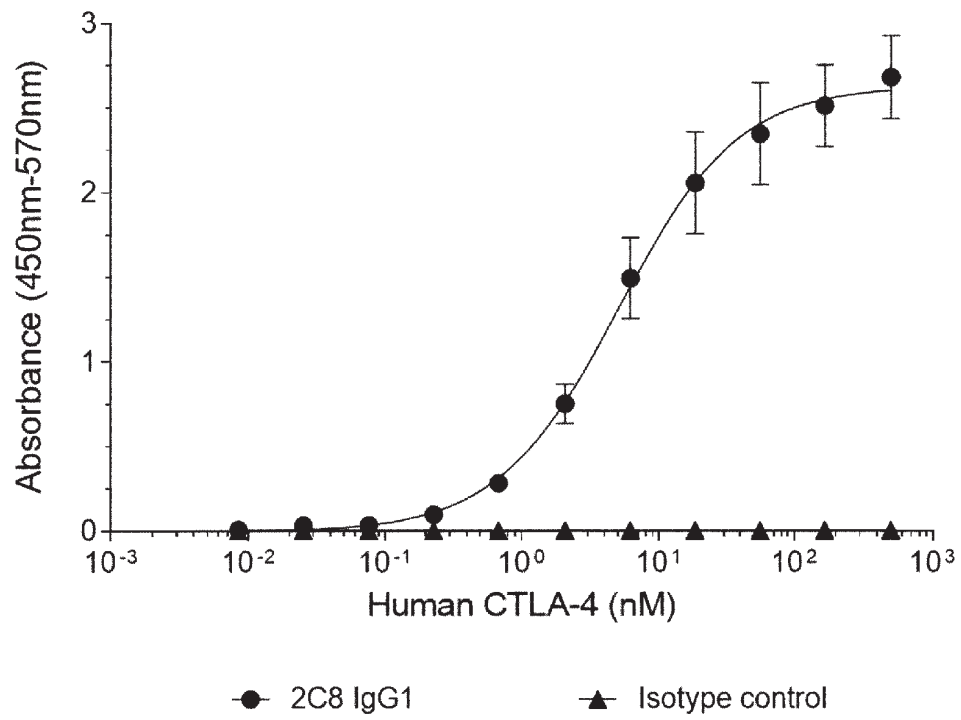


Figure 9

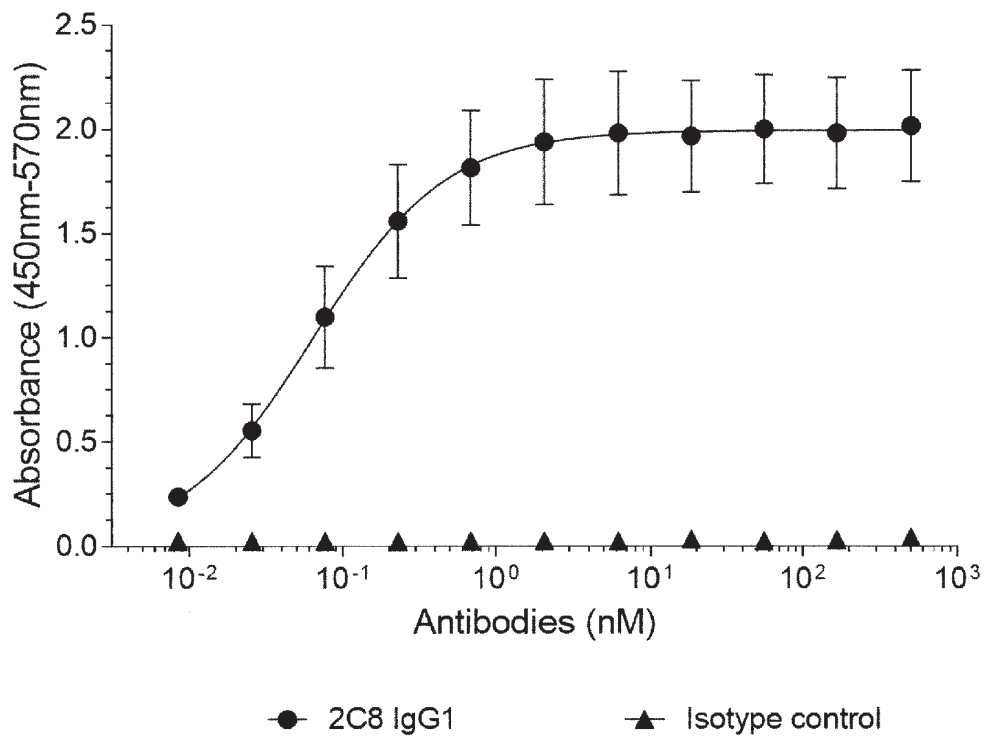
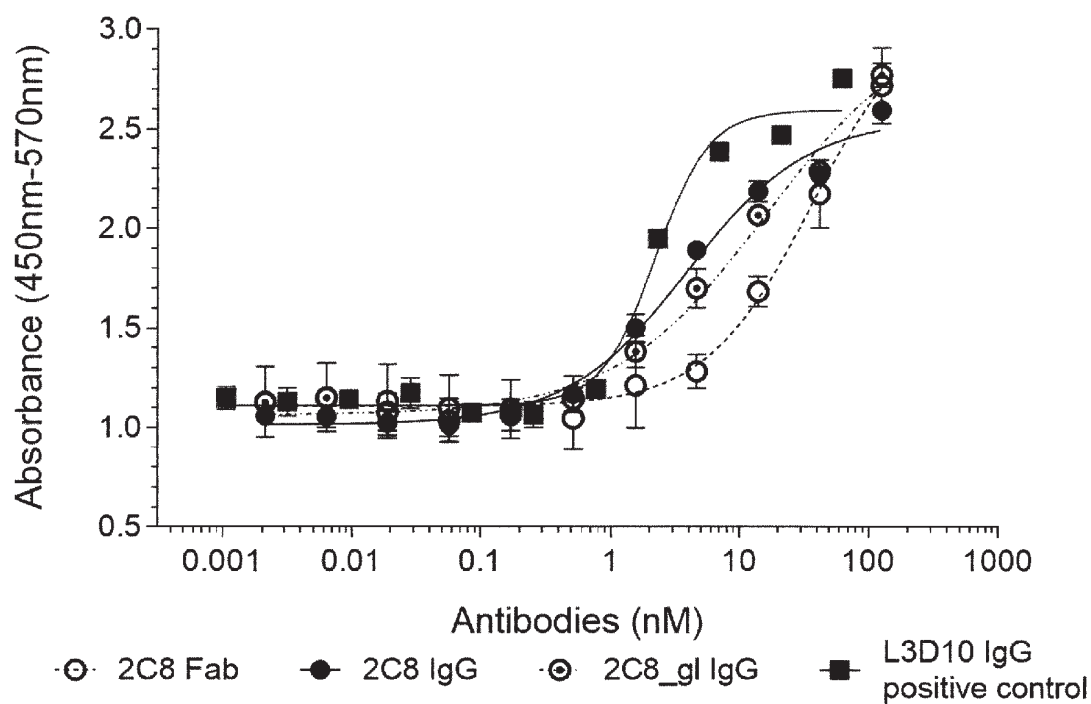
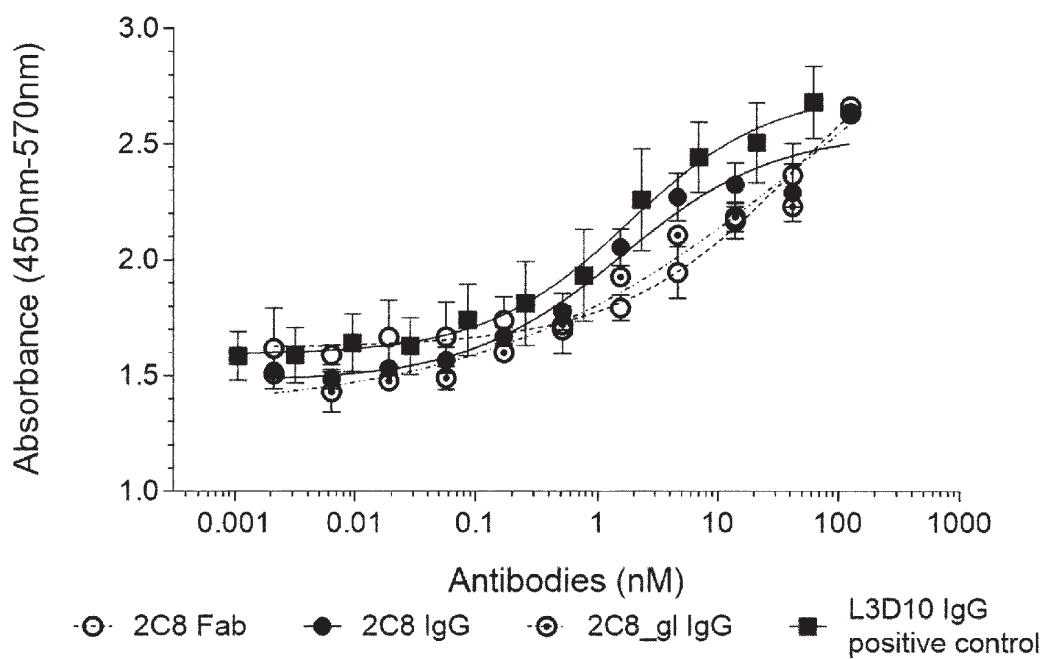


Figure 10

Stimulation via PHA-P and CD80**Figure 11****Stimulation via PHA-P and CD86****Figure 12**

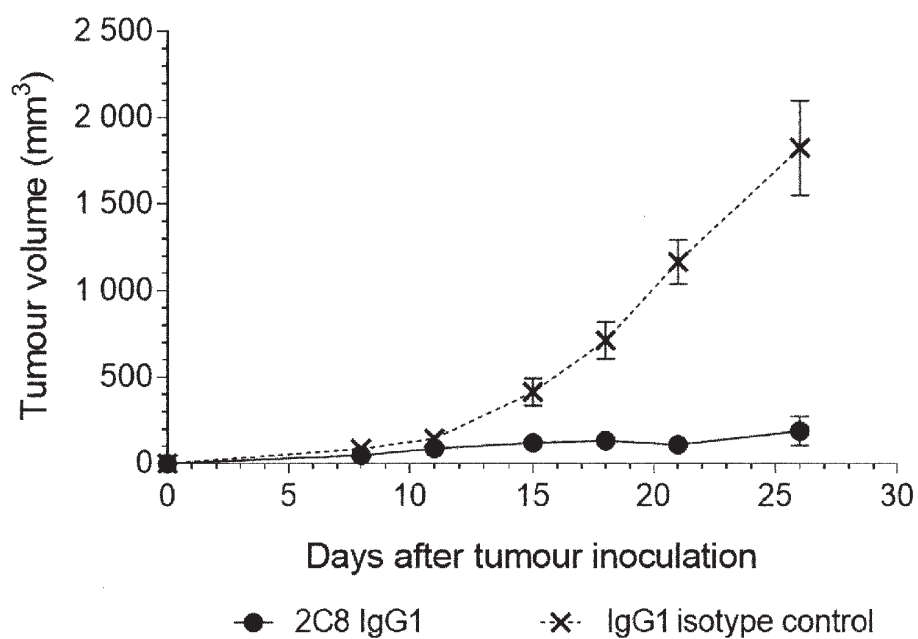


Figure 13A

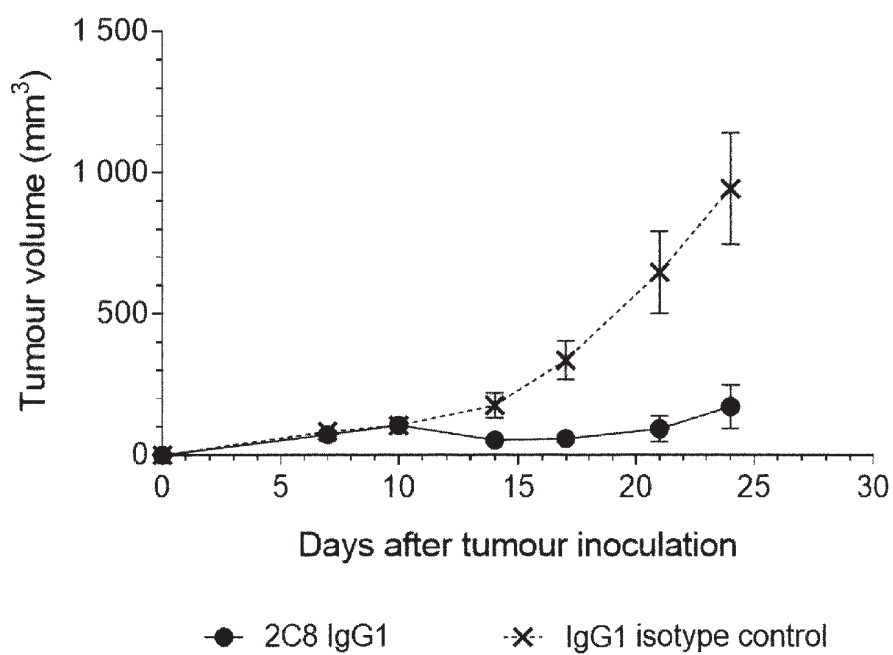


Figure 13B

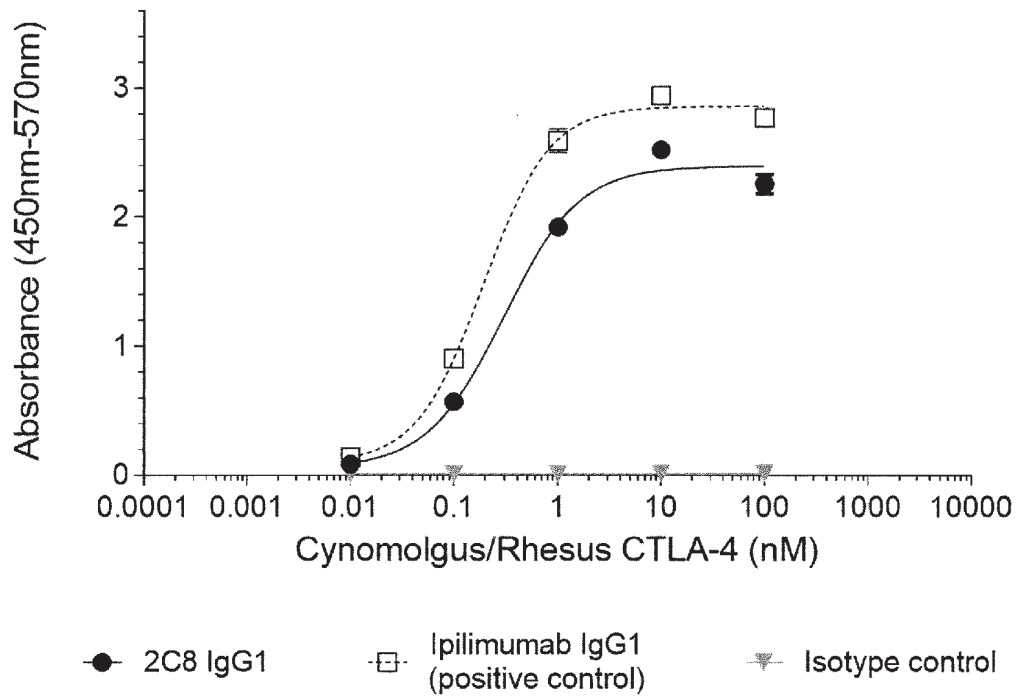


Figure 14

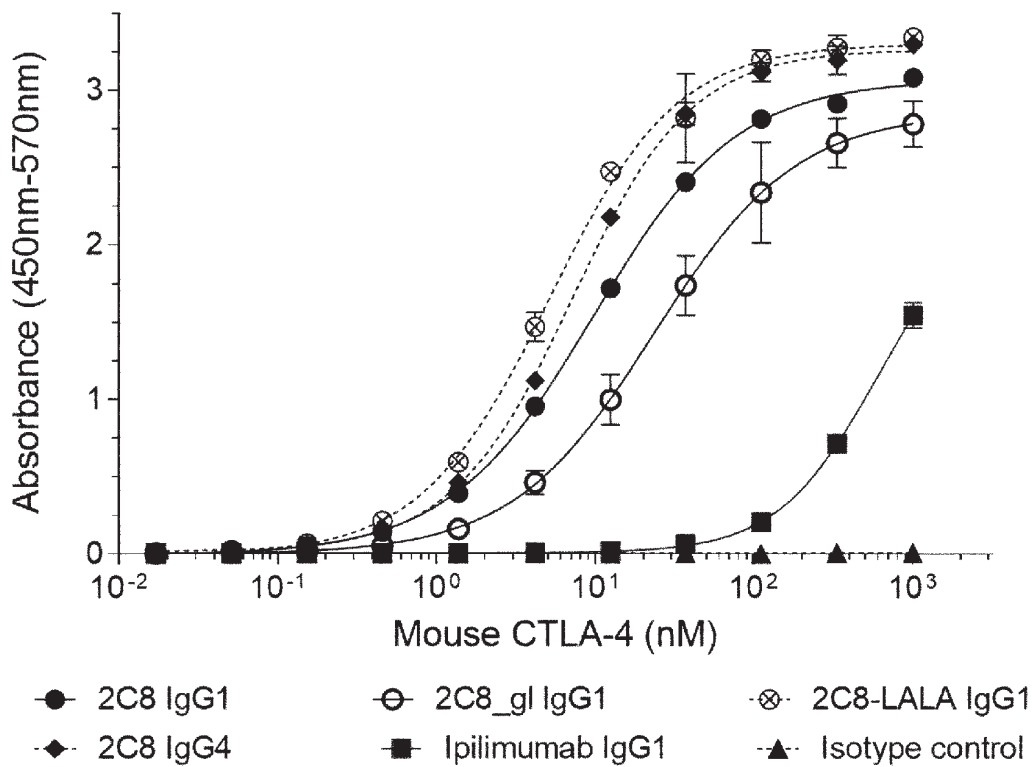


Figure 15

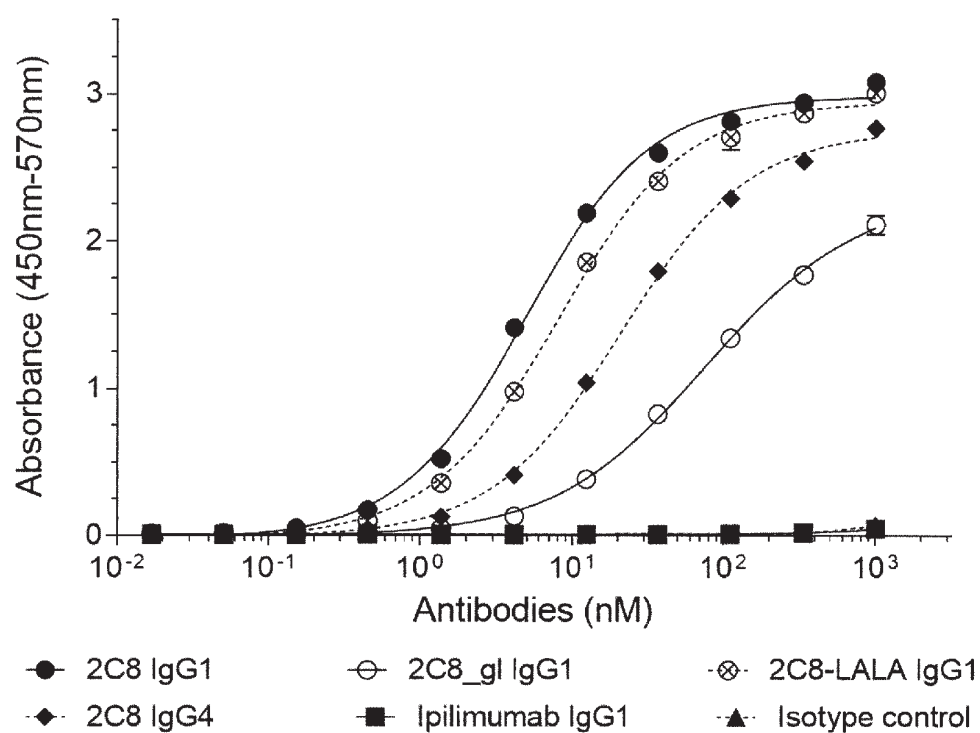


Figure 16

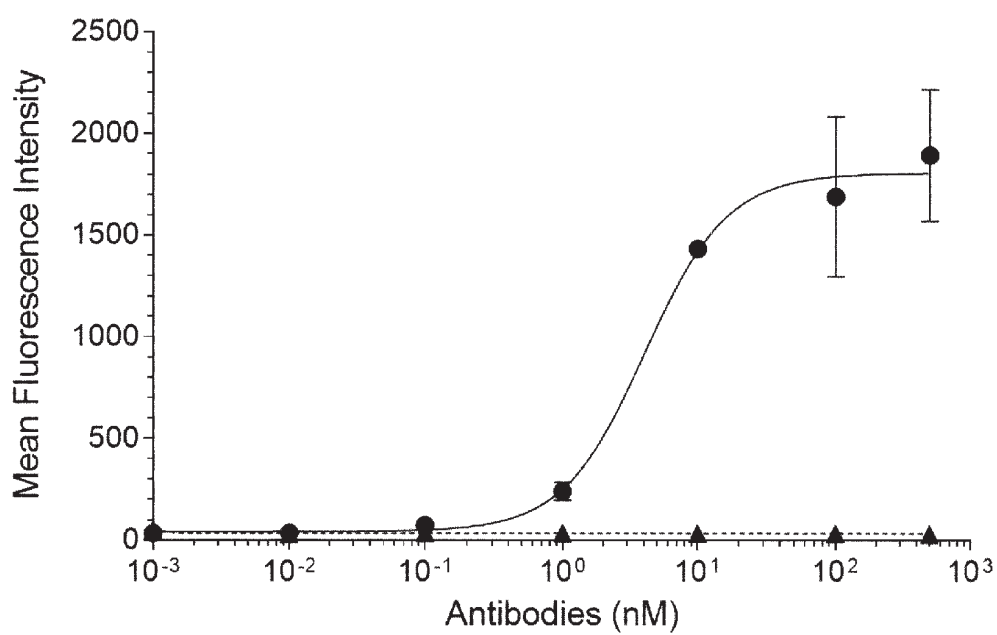


Figure 17

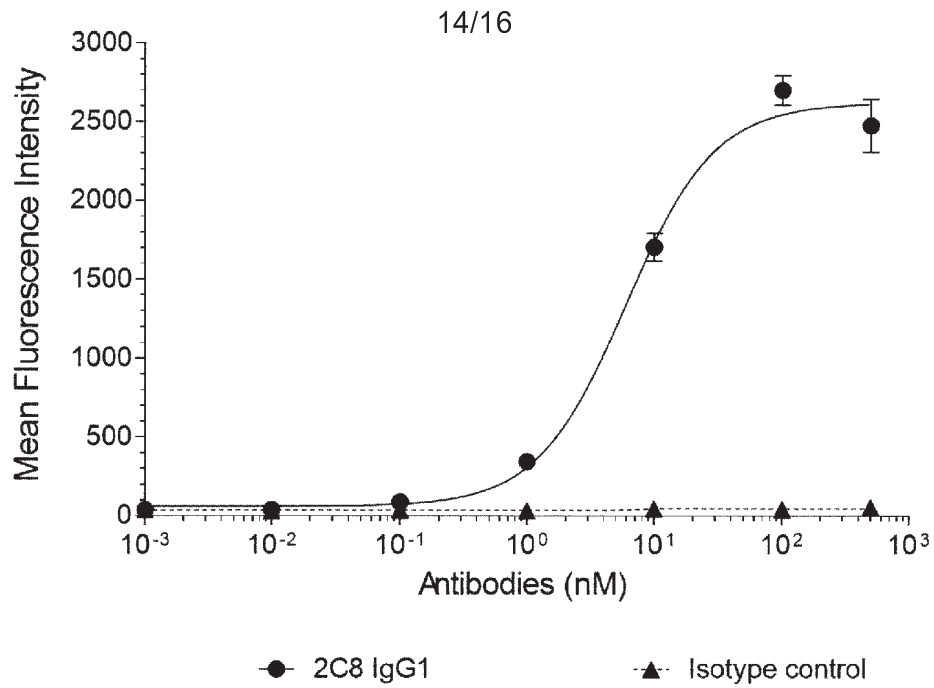


Figure 18

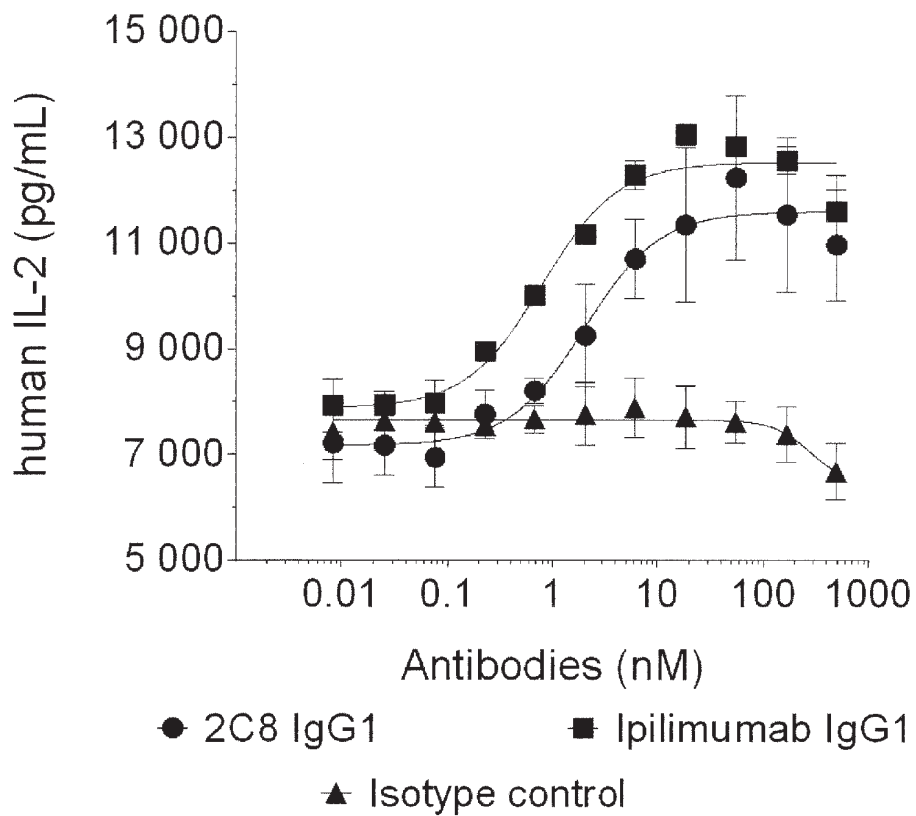
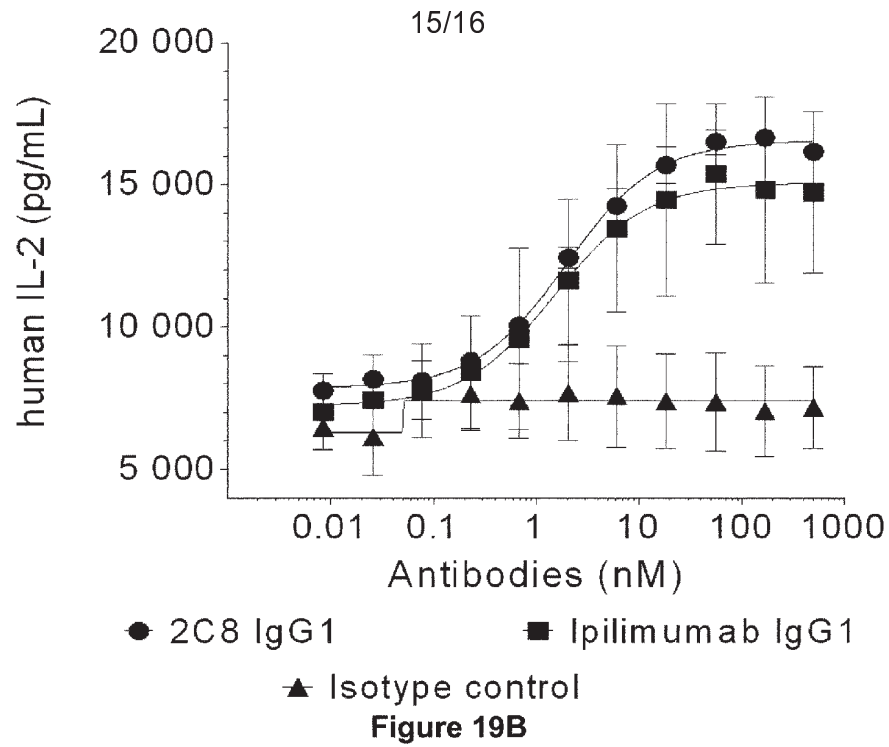
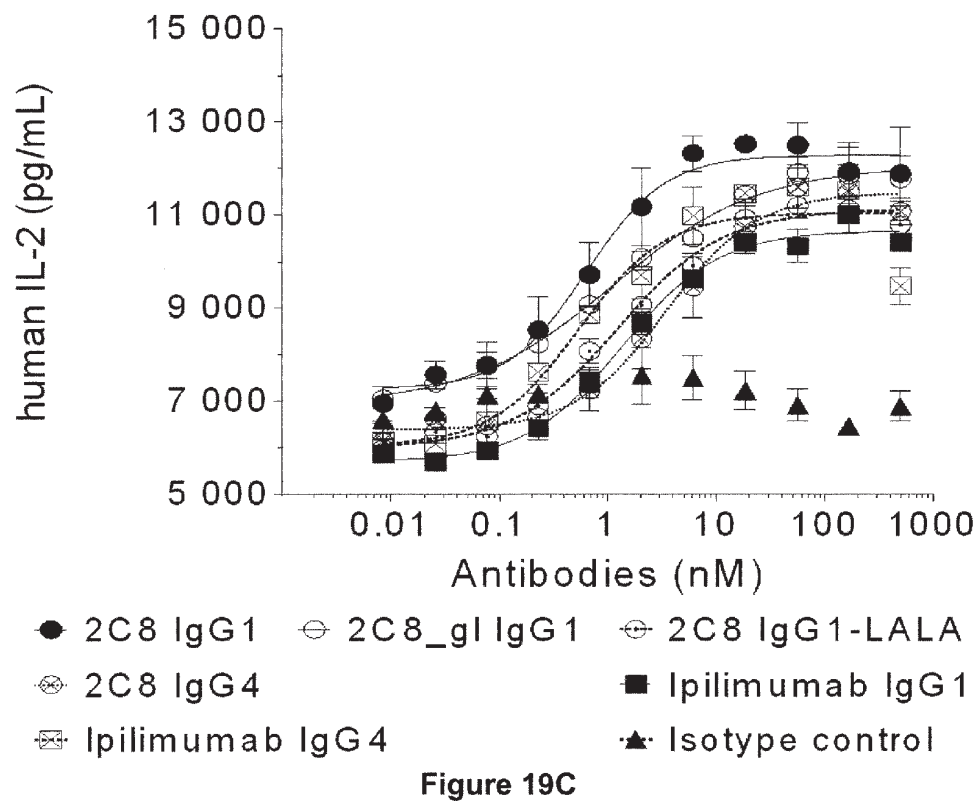


Figure 19A



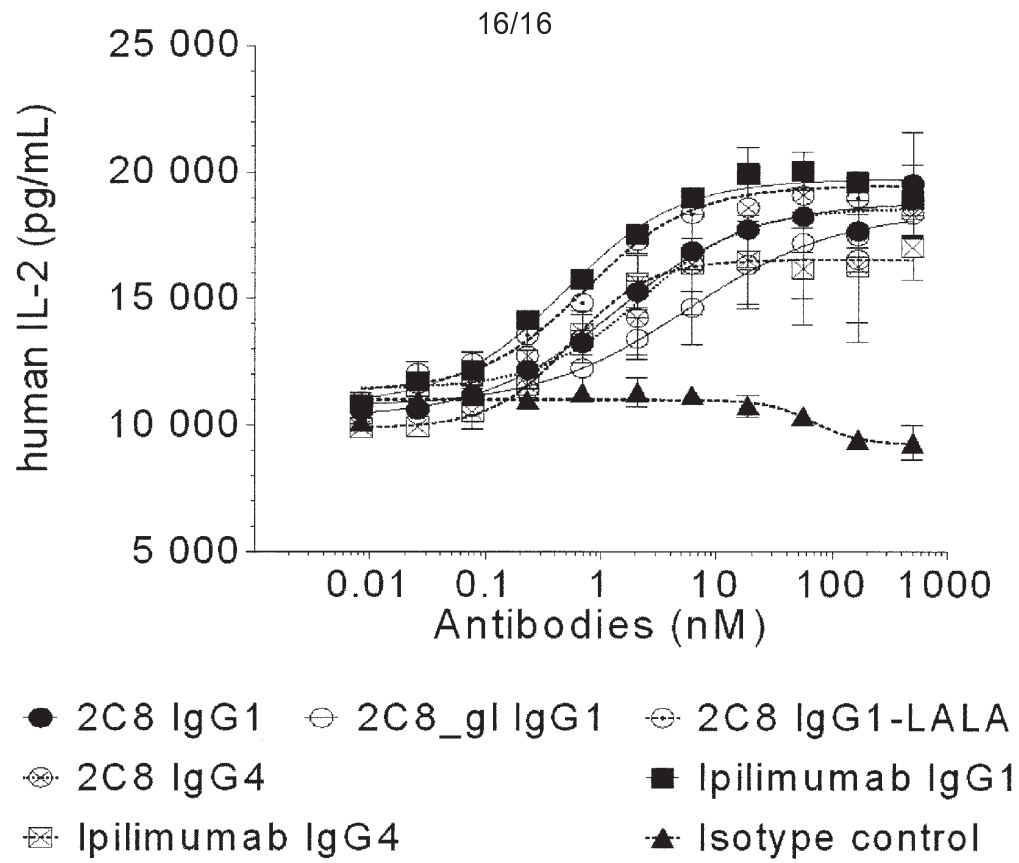


Figure 19D