

Kabat

HEAVY CHAIN Variable region (mouse)

YL-G1-19-01	QVQLQQSGAELVRPGTSVKVSCASGYAFTNYLI EWVKQRPGQGLEWIGVINPGSGGTNY	60
YL-G1-19-02	EVQLQQSGPELEKPGASVKISCKASGYSFTGYKMNWVKQSNGLSLEWIGNIDPYYGGTTY	60
YL-G1-19-03	QIQLVQSGPELRKPGETVKISCKASGFPFTTDGMSWVKQAPGKGLKWMGWINTYSGVPTY	60
YL-G1-19-04	EVQLQQSGPELEKPGASVKISCKASGYSFTGYKMNWVKQSNGLSLEWIGNIDPYYGDTTY	60
	** * * ** ** * ** ***** ** ** ** * **** **	
YL-G1-19-01	NEKFKGKATLTADKSSNTAYMQLSSLTSEDSAVYFCARVYYGNSFGYWGQGLTVTVSA	118
YL-G1-19-02	NQKFKGKATLTVDKSSSTAYMQLKSLTSEDSAVYYCARYGKNTMDYWGQGSVTVSS	118
YL-G1-19-03	ADDFKGRVAFSLETSASTAYLQIKNLKNEDTATYFCARFRGNALDNWGQGSVTVSS	118
YL-G1-19-04	TQKFKGKATFTVDTSSSTAYMQLKSLTSEDSAVYFCARYNRGNTMDYWGQGSVTVSS	118
	*** ***** ** * ** * * * * *** **** * *	

LIGHT CHAIN Variable region (mouse)

YL-G1-19-01	DIVMTQSPSSLTVTAGEKVTMSCKSSQSLNLSGNQKNYLTWYQQKPGQPPKLLIYWASTR	60
YL-G1-19-02	DIVMTQSPSSLTVTAGEKVTMSCKSSQSLNLSGNQKNYLTWYQQRPGQPPKLLIYWASTR	60
YL-G1-19-03	DIVMTQSPSSLTVTAGEKVTMSCKSSQSLNLSGNQKNYLTWYQQKPGQPPKLLIYWASTR	60
YL-G1-19-04	DIVMTQSPSSLTVTAGEKVTLSCKSSQSLNLSGNQKNYLTWYQQRPGQPPKLLIYWASTR	60
	* *	
YL-G1-19-01	ESGVPDRFTGSGSGDFTLTISVQAEDLAVYYCQNEYFYPTFGSGTKLEIK	113
YL-G1-19-02	ESGVPVRFTGSGSGDFTLTISVQAEDLAVYYCQNAVYIPLTFGTGKLELK	113
YL-G1-19-03	ESGVPDRFTGSGSGDFTLTISVQAEDLAIYYCQNNYFYPLTFGAGTRLELK	113
YL-G1-19-04	ESGVPVRFTGSGSGADFTLTISVQAEDLAVYFCQNAVYFYPLTFGTGKLELR	113
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Figure 1A

IMGT

HEAVY CHAIN Variable region (mouse)

YL-G1-19-01	QVQLQQSGAELVRPGTSVKVSCKASGYAFTNYLIEWVKQRPGQGLEWIGVINPGSGGTNY	60
YL-G1-19-02	EVQLQQSGPELEKPGASVKISCKASGYSFTGYKMNWVKQSNGLSLEWIGNIDPYYGGTTY	60
YL-G1-19-03	QIQLVQSGPELRKPGETVKISCKASGFPFTTDGMSWVKQAPGKGLKWMGWINTYSGVPTY	60
YL-G1-19-04	EVQLQQSGPELEKPGASVKISCKASGYSFTGYKMNWVKQSNGLSLEWIGNIDPYYGDTTY	60
	** * * ** ** * ** ***** ** ** ** * **** **	
YL-G1-19-01	NEKFKGKATLTADKSSNTAYMQLSSLTSEDSAVYFCARVYYGNSFGYWGQGLTVTSA	118
YL-G1-19-02	NQKFKGKATLTVDKSSSTAYMQLKSLTSEDSAVYYCARYGKGNTMDYWGQGSVTVSS	118
YL-G1-19-03	ADDFKGRVAFSLETSASTAYLQIKNLKNETATYFCARFRRGNALDNWGQGSVTVSS	118
YL-G1-19-04	TQKFKGKATFTVDTSSSTAYMQLKSLTSEDSAVYFCARYNRGNTMDYWGQGSVTVSS	118
	*** ***** ** * ** ** * * * *** ** * *	

LIGHT CHAIN Variable region (mouse)

YL-G1-19-01	DIVMTQSPSSLTVTAGEKVTMSCKSSQSLNLSGNQKNYLTWYQQKPGQPPKLLIYWASTR	60
YL-G1-19-02	DIVMTQSPSSLTVTAGEKVTMSCKSSQSLNLSGNQKNYLTWYQQRPGQPPKLLIYWASTR	60
YL-G1-19-03	DIVMTQSPSSLTVTAGEKVTMSCKSSQSLNLSGNQKNYLTWYQQKPGQPPKLLIYWASTR	60
YL-G1-19-04	DIVMTQSPSSLTVTAGEKVTLSCKSSQSLNLSGNQKNYLTWYQQRPGQPPKLLIYWASTR	60
	* *	
YL-G1-19-01	ESGVPDRFTGSGSGDFTLTISVQAEDLAVYYCQNEYFYPTFGSGTKLEIK	113
YL-G1-19-02	ESGVPVRFTGSGSGDFTLTISVQAEDLAVYYCQNAVYIYPLTFGTGKLELK	113
YL-G1-19-03	ESGVPDRFTGSGSGDFTLTISVQAEDLAIYYCQNNYFYPLTFGAGTRLELK	113
YL-G1-19-04	ESGVPVRFTGSGSGADFTLTISVQAEDLAVYFCQNAVYFYPLTFGTGKLELR	113
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Figure 1B

Chothia

HEAVY CHAIN Variable region (mouse)

YL-G1-19-01	QVQLQQSGAELVRPGTSVKVSCKASGYAFTNYLI EWVKQRPGQGLEWIGV INPGSGGTNY	60
YL-G1-19-02	EVQLQQSGPELEKPGASVKISCKASGYSFTGYKMNWVKQSNGLSLEWIGNIDPYYGGTTY	60
YL-G1-19-03	QIQLVQSGPELRKPGETVKISCKASGFPFTTDGMSWVKQAPGKGLKWMGWINTYSGVPTY	60
YL-G1-19-04	EVQLQQSGPELEKPGASVKISCKASGYSFTGYKMNWVKQSNGLSLEWIGNIDPYYGGTTY	60
	** * * ** ** * ** ***** ** ** ** * **** **	
YL-G1-19-01	NEKFKGKATLTADKSSNTAYMQLSSLTSEDSAVYFCARVYYGNSFGYWGQGLTVTVSA	118
YL-G1-19-02	NQKFKGKATLTVDKSSSTAYMQLKSLTSEDSAVYYCARYGKGNTMDYWGQGSVTVSS	118
YL-G1-19-03	ADDFKGRVAFSLETSASTAYLQIKNLKNEDTATYFCARERRGNALDNWGQGSVTVSS	118
YL-G1-19-04	TQKFKGKATFTVDTSSSTAYMQLKSLTSEDSAVYFCARYNRGNTMDYWGQGSVTVSS	118
	*** ***** ** * *** ** * * * *** ***** * *	

LIGHT CHAIN Variable region (mouse)

YL-G1-19-01	DIVMTQSPSSLTVTAGEKVTMSCKSSQSLLNSGNQKNYLTWYQQKPGQPPKLLIYWASTR	60
YL-G1-19-02	DIVMTQSPSSLTVTAGEKVTMSCKSSQSLLNSGNQKNYLTWYQQKPGQPPKLLIYWASTR	60
YL-G1-19-03	DIVMTQSPSSLTVTAGEKVTMSCKSSQSLLNSGNQKNYLTWYQQKPGQPPKLLIYWASTR	60
YL-G1-19-04	DIVMTQSPSSLTVTAGEKVTLSCKSSQSLLNSGNQKNYLTWYQQKPGQPPKLLIYWASTR	60
	* *	
YL-G1-19-01	ESGVPDRFTGSGSGDFTLTISVQAEDLAVYYCQNEYFYPTFGSGTKLEIK	113
YL-G1-19-02	ESGVPVRFTGSGSGDFTLTISVQAEDLAVYYCQNAVYIPLTFGTGKLELK	113
YL-G1-19-03	ESGVPDRFTGSGSGDFTLTISVQAEDLAIYYCQNNYFYPLTFGAGTRLELK	113
YL-G1-19-04	ESGVPVRFTGSGSGADFTLTISVQAEDLAVYFCQNAVYFYPLTFGTGKLELR	113
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Figure 1C

Contact

HEAVY CHAIN Variable region (mouse)

YL-G1-19-01	QVQLQQSGAELVRPGTSVKVSCASGYAFTNYLIEWVKQRPGQGLEWIGVINPGSGGTNY	60
YL-G1-19-02	EVQLQQSGPELEKPGASVKISCKASGYSFTGYKMNWVKQSNQKSLWIGNIDPYYGGTTY	60
YL-G1-19-03	QIQLVQSGPELRKPGETVKISCKASGFPFTTDGMSWVKQAPGKGLKWMGWINTYSGVPTY	60
YL-G1-19-04	EVQLQQSGPELEKPGASVKISCKASGYSFTGYKMNWVKQSNQKSLWIGNIDPYYGDTTY	60
	** * * ** ** * ** ***** ** ** ** * **** **	
YL-G1-19-01	NEKFKGKATLTADKSSNTAYMQLSSLTSEDSAVYFCARVYYGNSFGYWGQGLTVTVSA	118
YL-G1-19-02	NQKFKGKATLTVDKSSSTAYMQLKSLTSEDSAVYYCARYGKGNMTMDYWGQGSVTVSS	118
YL-G1-19-03	ADDFKGRVAFSLETSASTAYLQIKNLKNEDTATYFCARFRRGNALDNWGQGSVTVSS	118
YL-G1-19-04	TQKFKGKATFTVDTSSSTAYMQLKSLTSEDSAVYFCARYNRGNMTMDYWGQGSVTVSS	118
	*** ***** ** * *** ** * * * *** ***** * *	

LIGHT CHAIN Variable region (mouse)

YL-G1-19-01	DIVMTQSPSSLTVTAGEKVTMSCKSSQSLNLSGNQKNYLTWYQQKPGQPPKLLIYWASTR	60
YL-G1-19-02	DIVMTQSPSSLTVTAGEKVTMSCKSSQSLNLSGNQKNYLTWYQQKPGQPPKLLIYWASTR	60
YL-G1-19-03	DIVMTQSPSSLTVTAGEKVTMSCKSSQSLNLSGNQKNYLTWYQQKPGQPPKLLIYWASTR	60
YL-G1-19-04	DIVMTQSPSSLTVTAGEKVTLSCKSSQSLNLSGNQKNYLTWYQQKPGQPPKLLIYWASTR	60
	* *	
YL-G1-19-01	ESGVPDRFTGSGSGDFTLTISVQAEDLAVYYCQNEYFYPTFGSGTKLEIK	113
YL-G1-19-02	ESGVPVRFTGSGSGDFTLTISVQAEDLAVYYCQNAVYIPLTFGTGKLELK	113
YL-G1-19-03	ESGVPDRFTGSGSGDFTLTISVQAEDLAIYYCQNNYFYPLTFGAGTRLELK	113
YL-G1-19-04	ESGVPVRFTGSGSGADFTLTISVQAEDLAVYFCQNAVYFYPLTFGTGKLELR	113
	* * * * * * *	

Figure 1D

Antibody dose-response curve to CLDN18.2 expressing cells

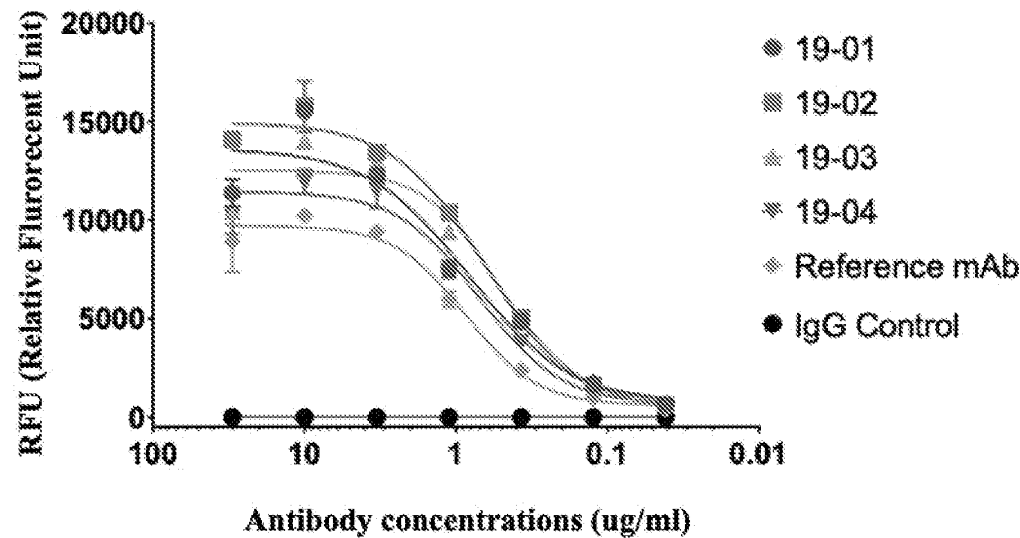


Figure 2

Antibody dose-response curve to CLDN18.1 expressing cells

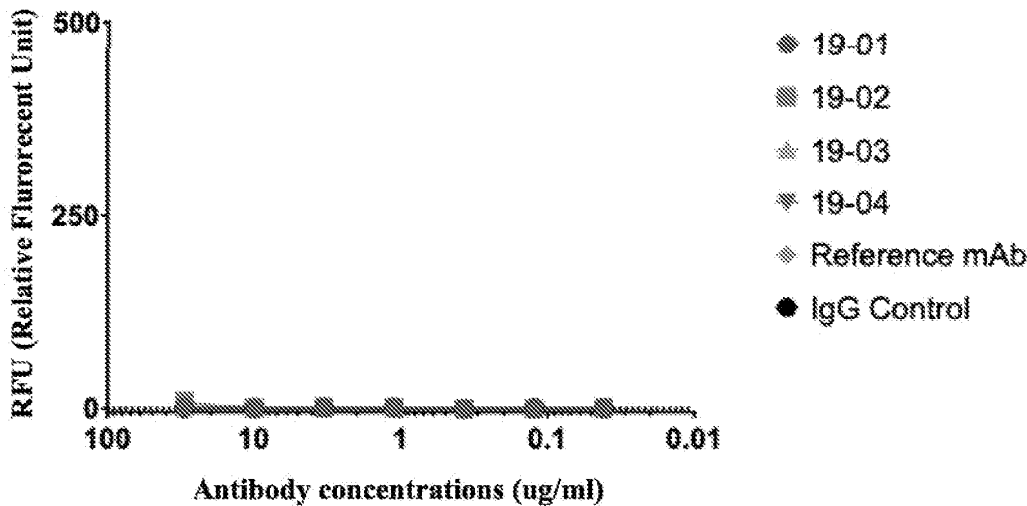


Figure 3

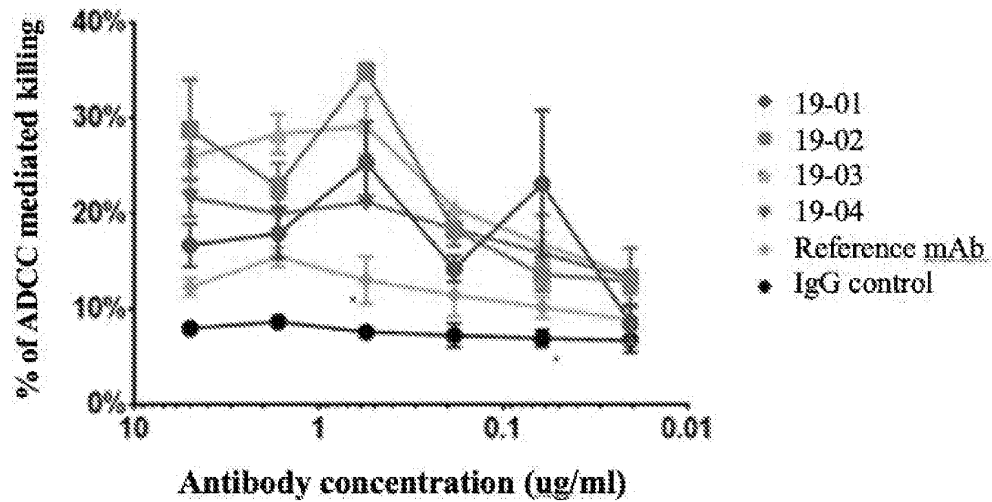


Figure 4

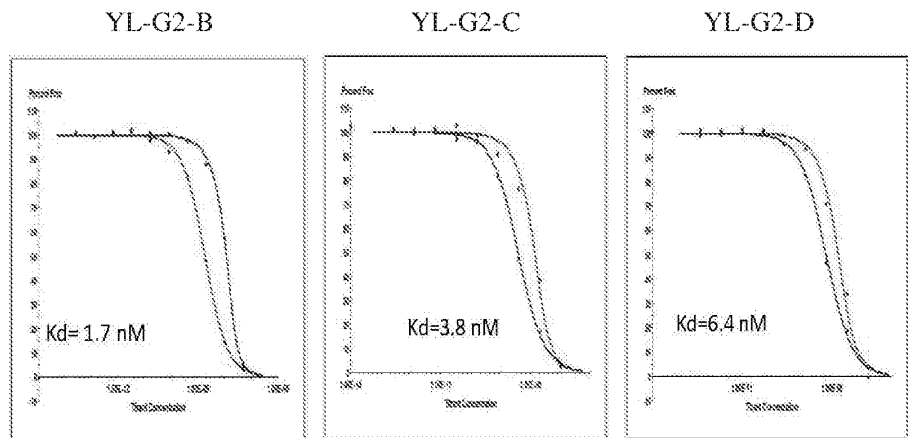


Figure 5

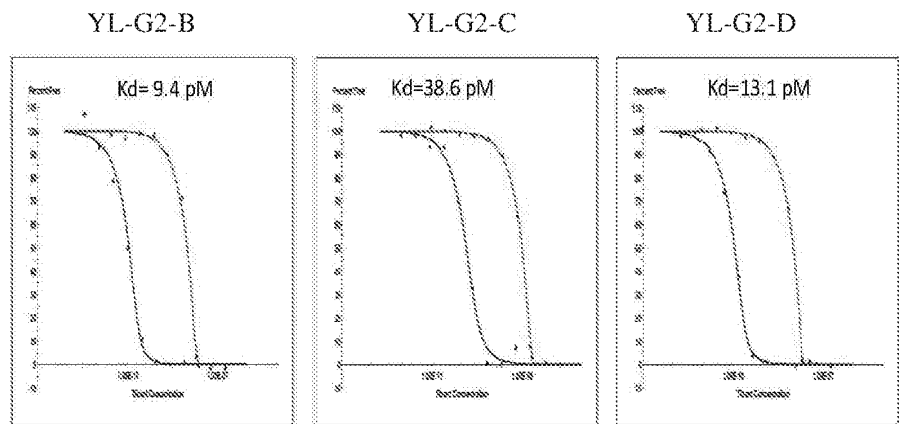


Figure 6

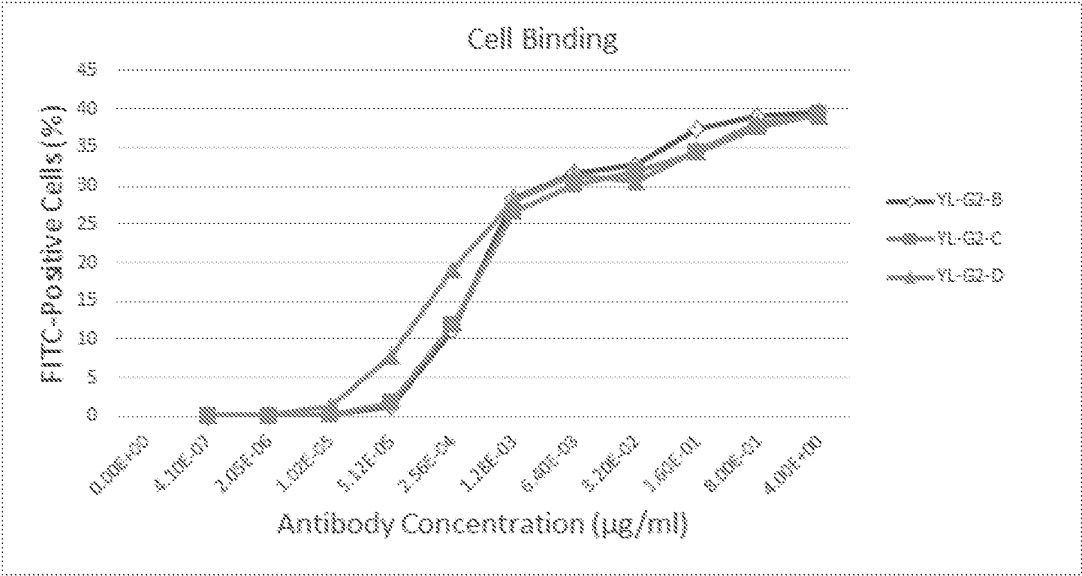


Figure 7

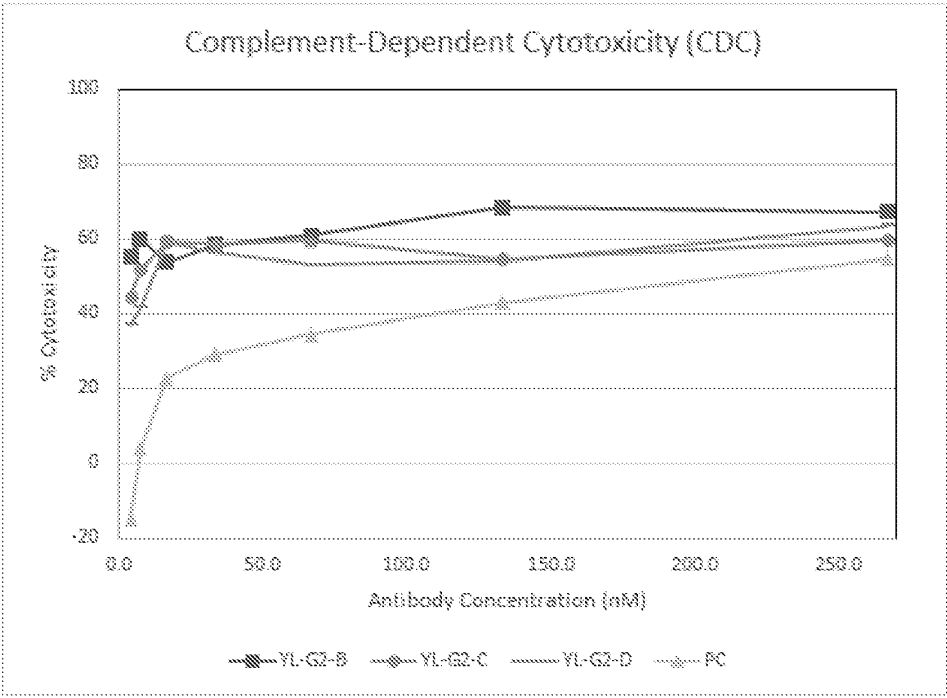


Figure 8

Cytotoxicity Mediated with Internalized Pep-Zap

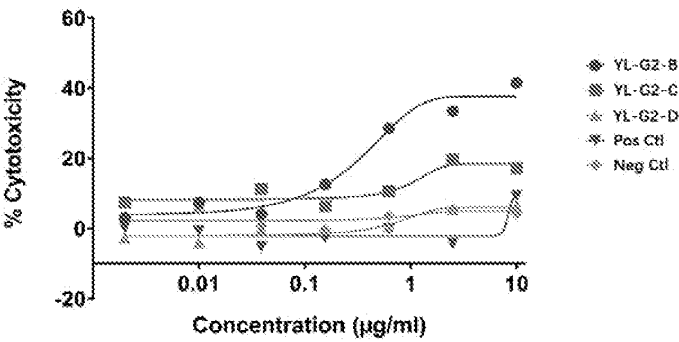


Figure 9

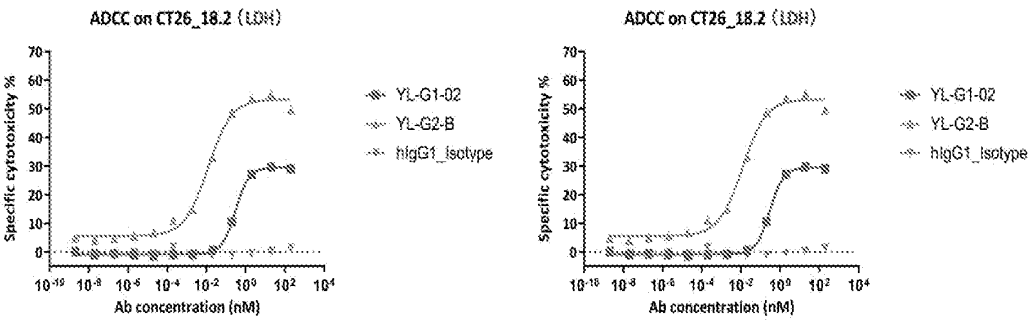


Figure 10

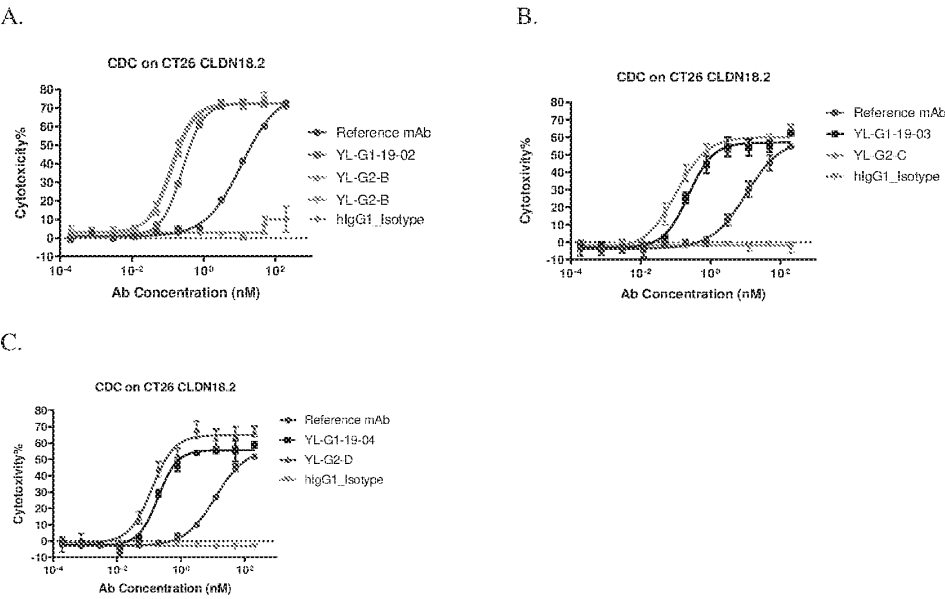


Figure 11

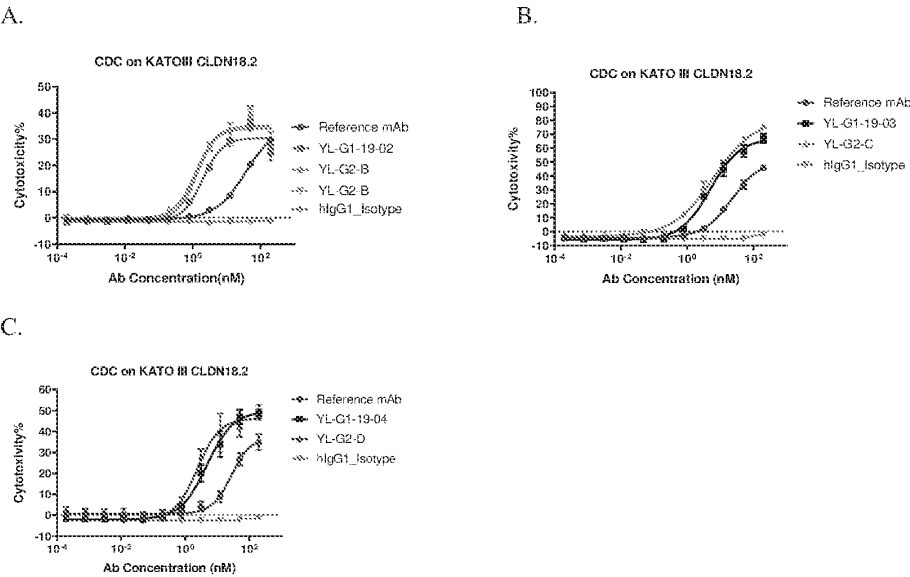
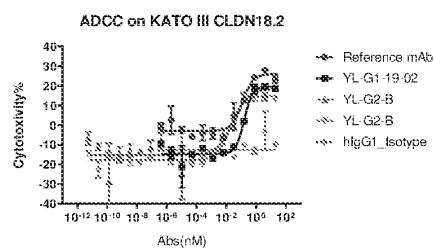
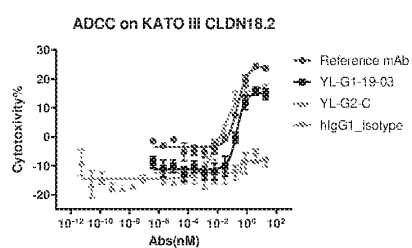


Figure 12

A.



B.



C.

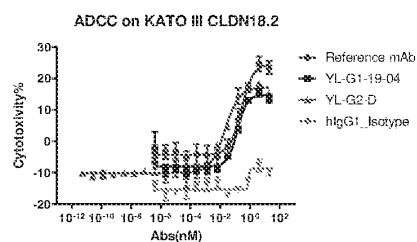
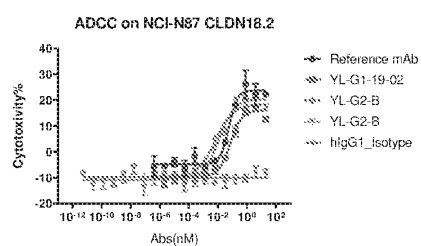
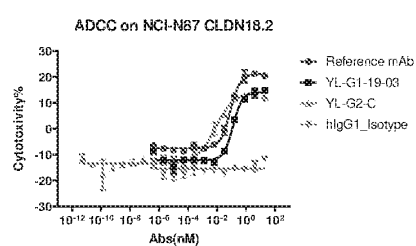


Figure 13

A.



B.



C.

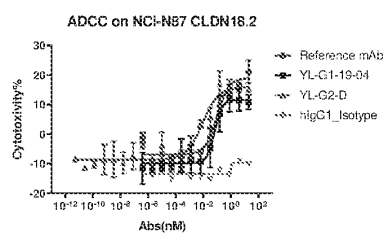


Figure 14