

Fig.1

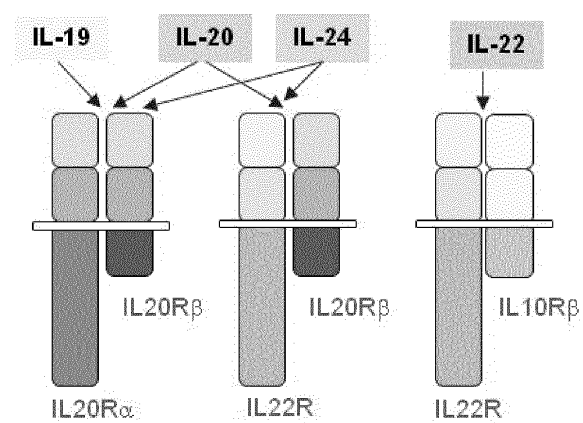


Fig.2

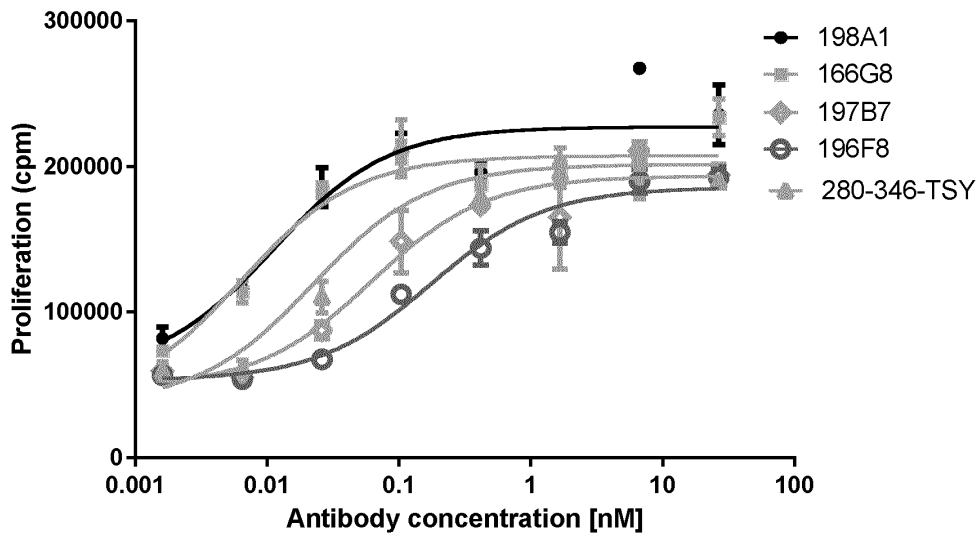
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51	TVYSIEYKTY	GERDWWAKKG	CQRITRKSCN	LTVETGNLTE	LYYARVTAVS
101	AGGRSATKMT	DRFSSLQHTT	LKPPDVTCIS	KVRSIQMIVH	PTPTPIRAGD
151	GHRLTLEDIF	HDLFYHLELQ	VNRTYQMHLG	GKQREYEFFG	LTPDTEFLGT
201	IMICVPTWAK	ESAPYMCVRK	TLPDRTWTYS	FSGAFLFSMG	FLVAVLCYLS
251	YRYVTKPPAP	PNSLNVQRVL	TFQPLRFIQE	HVLIPVFDLS	GPSSLAQPVQ
301	YSQIRVSGPR	EPAGAPQRHS	LSEITYLGQP	DISILQPSNV	PPPQILSPLS
351	YAPNAAPEVG	PPSYAPQVTP	EAQFPFYAPQ	AISKVQPSSY	APQATPDSWP
401	PSYGVCMEGS	GKDSPTGTLS	SPKHLRPKGQ	LQKEPPAGSC	MLGGLSLQEV
451	TSLAMEESQE	AKSLHQPLGI	CTDRTSDPNV	LHSGEEGTPQ	YKGLPLLS
501	SVQIEGHPMS	LPLQPPSRPC	SPSDQGPPSPW	GLLESLVCPK	DEAKSPAPET
551	SDLEQPTELD	SLFRGLALTV	QWES		

Fig.3

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1  ATGAGGACGC TGCTGACCAT CTTGACTGTG GGATCCCTGG CTGCTCACGC CCCTGAGGAC
61  CCCTCGGATC TGCTCCAGCA CGTGAAATTC CAGTCCAGCA ACTTTGAAAA CATCCTGACG
121 TGGGACAGCG GGCCGGAGGG CACCCCAGAC ACGGTCTACA GCATCGAGTA TAAGACGTAC
181 GGAGAGAGGG ACTGGGTGGC AAAGAAGGGC TGTACGCGGA TCACCCGGAA GTCCTGCAAC
241 CTGACGGTGG AGACGGGCAA CCTCACGGAG CTCTACTATG CCAGGGTCAC CGCTGTCAGT
301 GCGGGAGGCC GGTGAGCCAC CAAGATGACT GACAGGTTCA GCTCTCTGCA GCACACTACC
361 CTCAAGCCAC CTGATGTGAC CTGTATCTCC AAAGTGAGAT CGATTCAGAT GATTGTTTAT
421 CCTACCCCCA CGCCCATCCG TGCAGGCGAT GGCCACCGGC TAACCCTGGA AGACATCTTC
481 CATGACCTGT TCTACCACTT AGAGCTCCAG GTCAACCGCA CCTACCAAAT GCACCTTGGA
541 GGAAGCAGA GAGAATATGA GTTCTTCGGC CTGACCCCTG ACACAGAGTT CCTTGGCACC
601 ATCATGATTT GCGTTCCAC CTGGGCCAAG GAGAGTGCCC CCTACATGTG CCGAGTGAAG
661 AACTGCCAG ACCGGACATG GACCTACTCC TTCTCCGGAG CCTTCCTGTT CTCCATGGGC
721 TTCTCGTCG CAGTACTCTG CTACCTGAGC TACAGATATG TCACCAAGCC GCCTGCACCT
781 CCCAACTCCC TGAACGTCCA GCGAGTCCTG ACTTTCCAGC CGCTGCGCTT CATCCAGGAG
841 CACGTCCTGA TCCCTGTCTT TGACCTCAGC GGCCCCAGCA GTCTGGCCCA GCCTGTCCAG
901 TACTCCCAGA TCAGGGTGTG TGGACCCAGG GAGCCTGCAG GAGCTCCACA GCGGCATAGC
961 CTGTCCGAGA TCACCTACTT AGGGCAGCCA GACATCTCCA TCCTCCAGCC CTCCAACGTG
1021 CCACCTCCCC AGATCCTCTC CCCACTGTCC TATGCCCCAA ACGCTGCCCC TGAGGTGCGG
1081 CCCCATCCT ATGCACCTCA GGTGACCCCA GAAGCTCAAT TCCCATTCTA CGCCCCACAG
1141 GCCATCTCTA AGGTCCAGCC TTCCTCCTAT GCCCCCAAG CCACTCCGGA CAGCTGGCCT
1201 CCCTCCTATG GGGTATGCAT GGAAGGTTCT GGCAAAGACT CCCCCACTGG GACACTTTCT
1261 AGTCCTAAAC ACCTTAGGCC TAAAGGTCAG CTTCAGAAAG AGCCACCAGC TGGAAGCTGC
1321 ATGTTAGGTG GCCTTTCTCT GCAGGAGGTG ACCTCCTTGG CTATGGAGGA ATCCCAAGAA
1381 GCAAAATCAT TGCACCAGCC CCTGGGGATT TGCACAGACA GAACATCTGA CCCAAATGTG
1441 CTACACAGTG GGGAGGAAGG GACACCACAG TACCTAAAGG GCCAGCTCCC CCTCCTCTCC
1501 TCAGTCCAGA TCGAGGGCCA CCCCATGTCC CTCCCTTTGC AACCTCCTTC CCGTCCATGT
1561 TCCCCCTCGG ACCAAGGTCC AAGTCCCTGG GGCTGCTGG AGTCCCTTGT GTGTCCCAAG
1621 GATGAAGCCA AGAGCCCAGC CCCTGAGACC TCAGACCTGG AGCAGCCAC AGAACTGGAT
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Fig.4

A.



B.

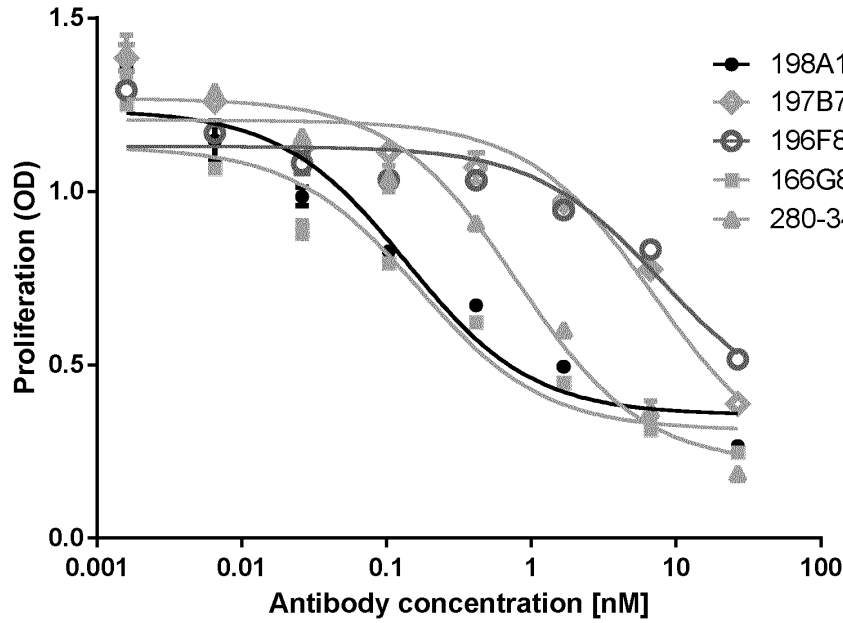


Fig.5

A

BC029273.1	VRSIQIVHPTPTPIRAGDGHRLTLEDIFHDLFYHLELQVNRTYQM--HLGGKQREYEFFGLTPDTEFLGTIMICVPTWA	SEQ ID NO: 94
IL22RA1-ECD-HIS		SEQ ID NO: 94
01113239(rhesus)	E.....S	SEQ ID NO: 95
FS371752 (CYNO)	VN.....S	SEQ ID NO: 96
FS368027 (CYNO)	VN.....S	SEQ ID NO: 97
FS371904 (CYNO)	VN.....S	SEQ ID NO: 98

*residue directly involved in IL22 binding.

B

human	1	LRLEYLIRLTIGYRLNGTAATMGWSCIILFLVATATGVHSPEDPSDLLQHVKFQSSNFENILTWDSGEGTPTDVTYVSYEYKTYGERDWVAKKGCQIRTRK	SEQ ID NO: 99
rhesus	1	N.....N.....	SEQ ID NO: 100
cyno1	1	N.....	SEQ ID NO: 101
human	101	SCNLTVETGNLTELYARVTAVSAGGRSATKMTDRFSSLQHTTLKPPDVTCISKVRSIQMIVHPTPTPIRAGDGHRLTLEDIFHDLFYHLELQVNRTYQM	SEQ ID NO: 102
rhesus	101	H.....N.....P.....	SEQ ID NO: 103
cyno1	101	H.....N.....P.....Y.....S.....	SEQ ID NO: 104
human	201	HLGGKQREYEFFGLTPDTEFLGTIMICVPTWAKESAPYMCRVKTLPDRTWT	SEQ ID NO: 105
rhesus	201	E.....S.K.....R.....	SEQ ID NO: 106
cyno1	200	S.K.....R.....	SEQ ID NO: 107

→huFc

loop6 (PTW; IL22 binding, next to deletion in cynIL22R)

Fig. 6

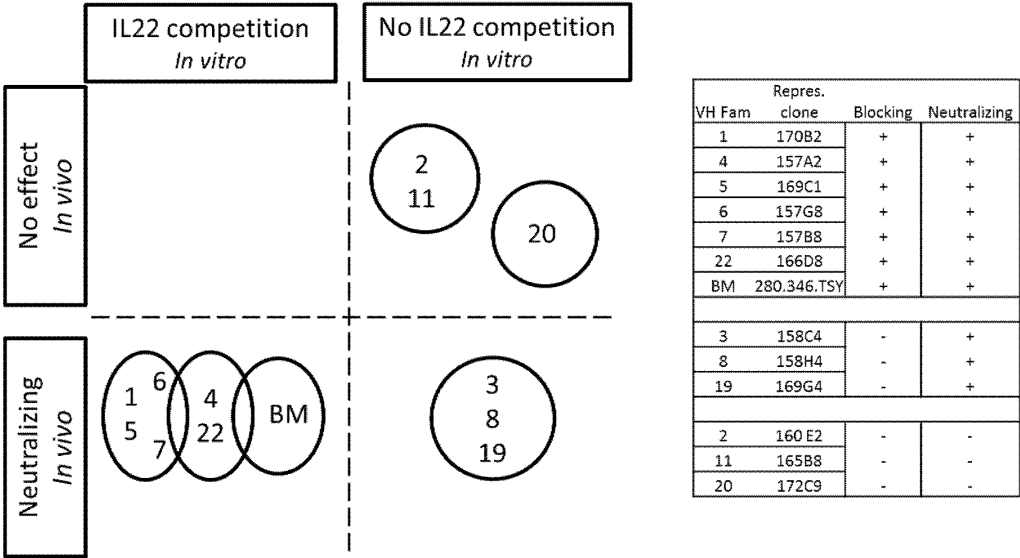


Fig. 7

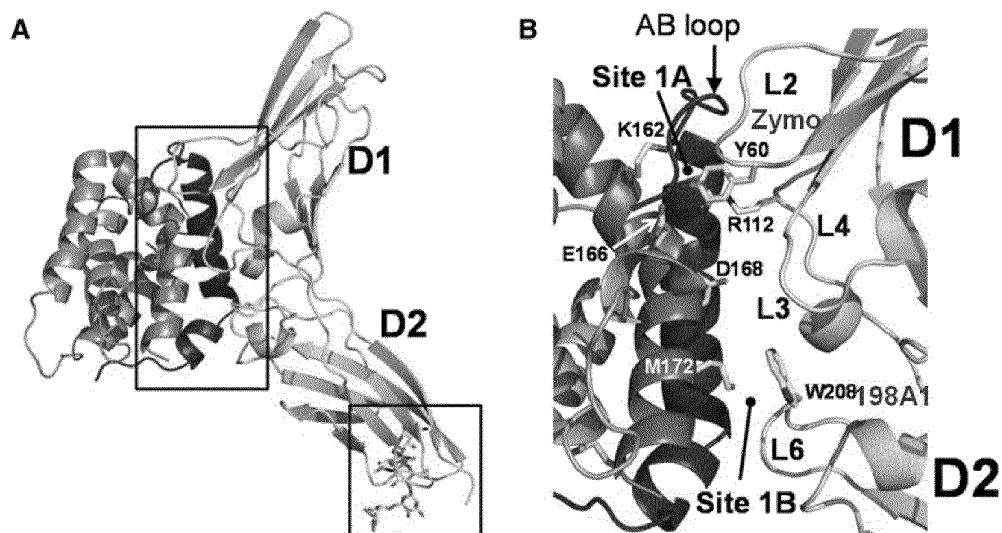


Fig. 8

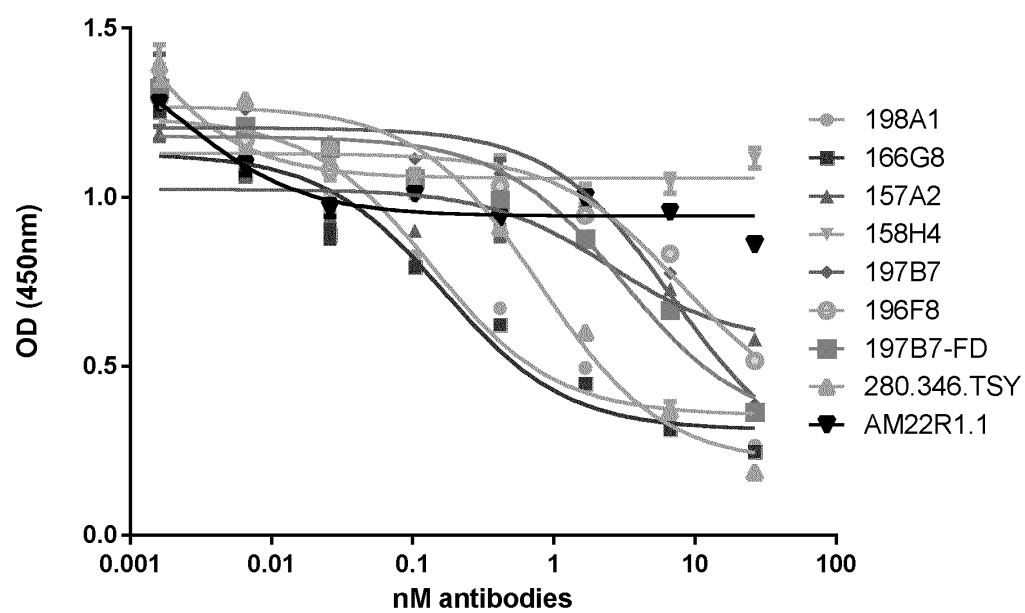
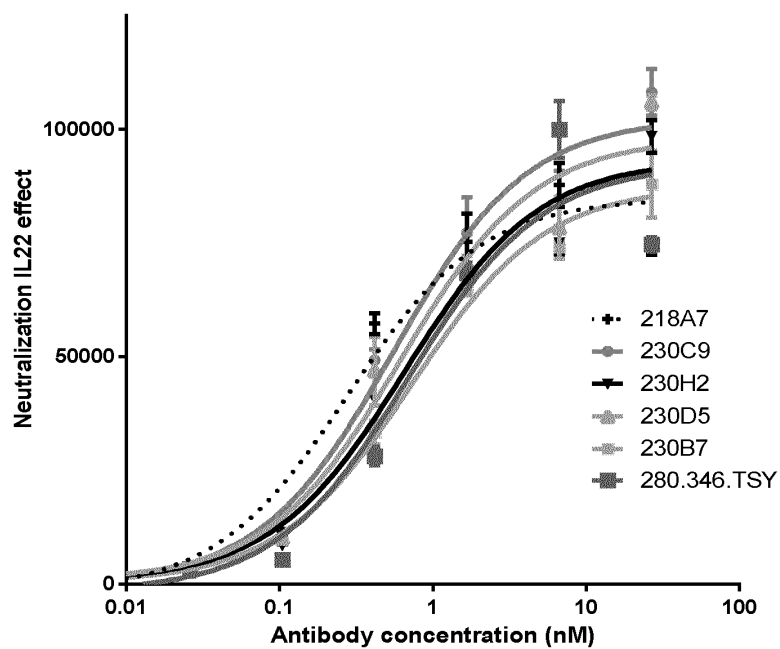


Fig. 9

A



B

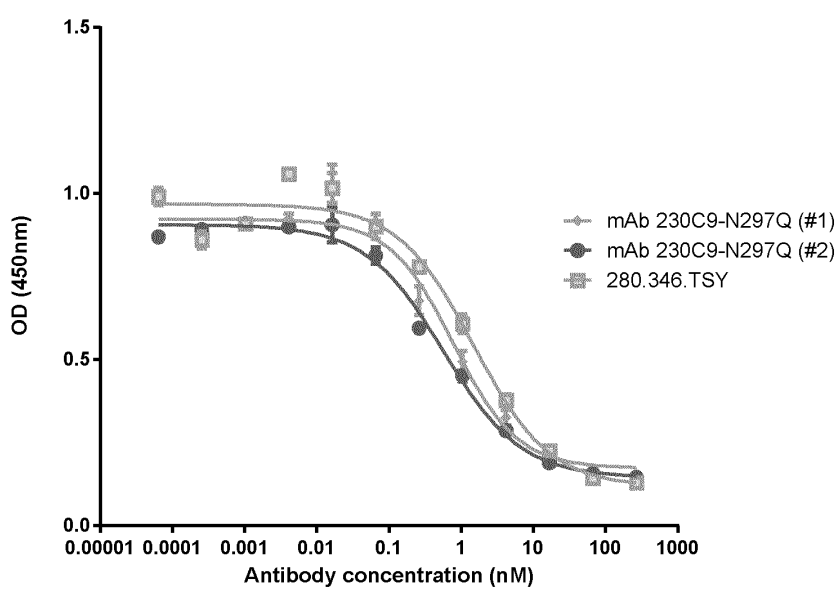


Fig. 10

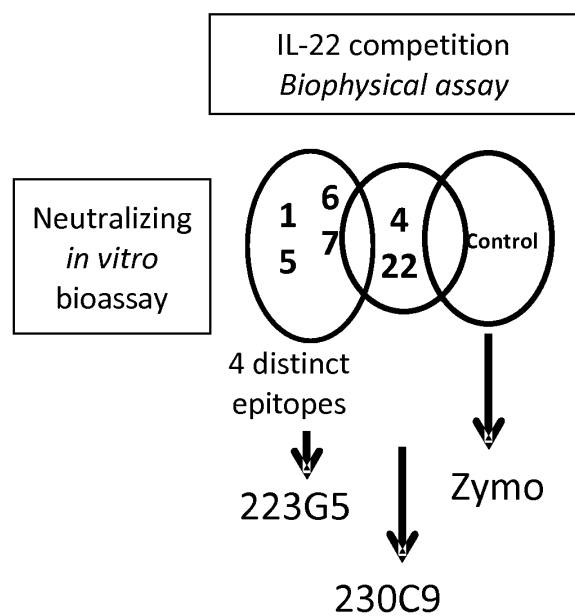


Fig. 11

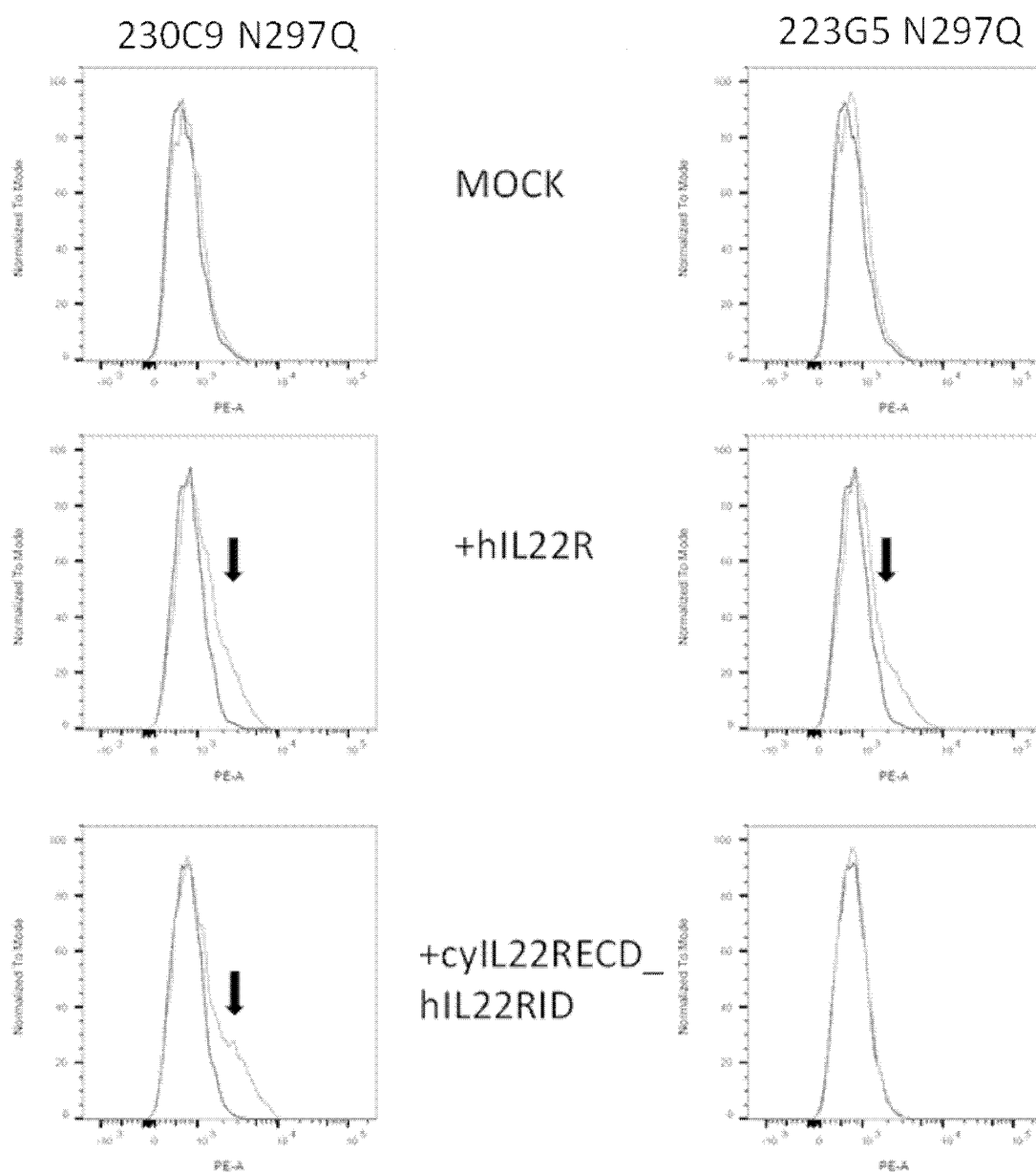


Fig. 12

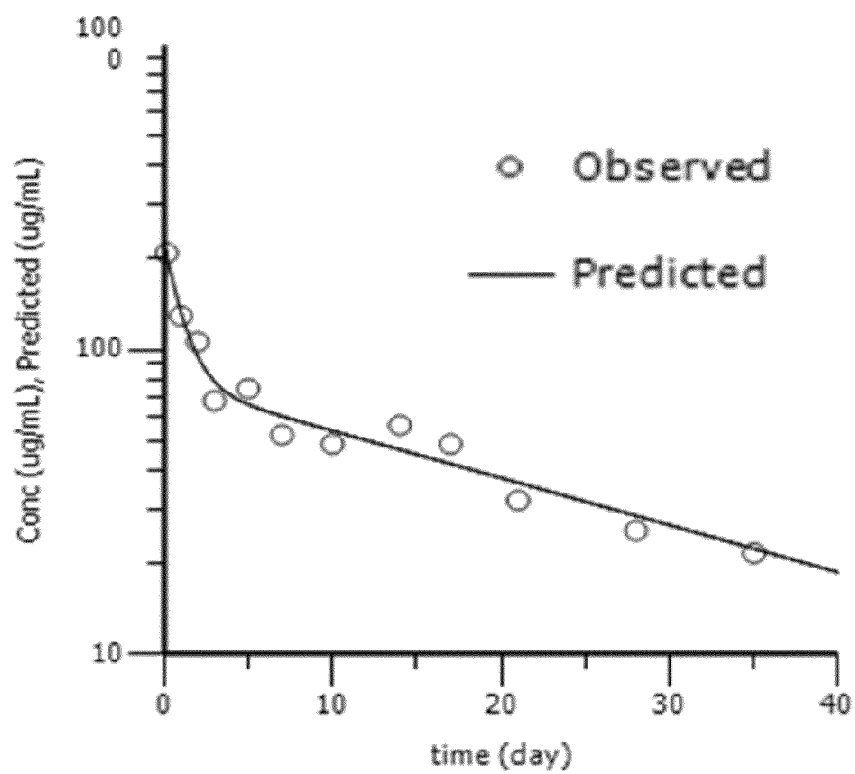
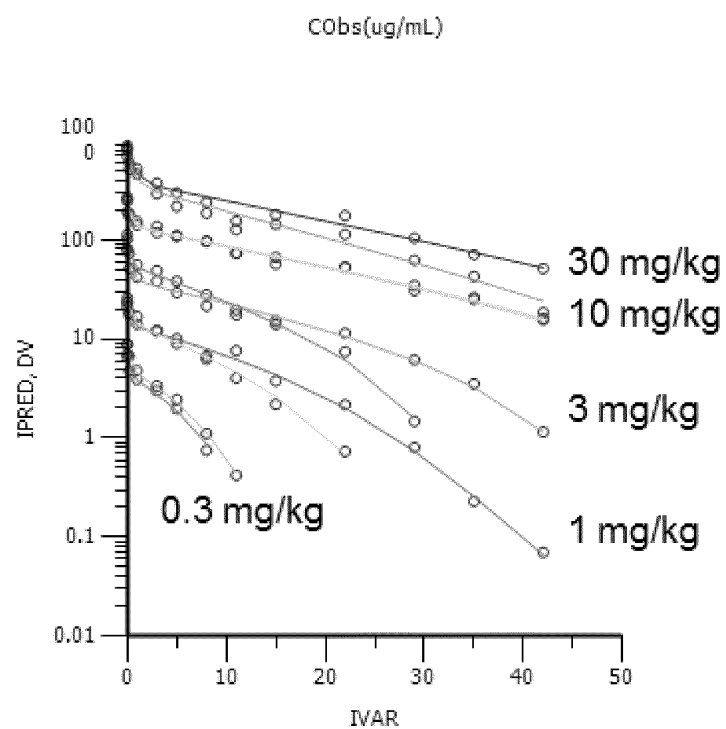


Fig. 13

A



B

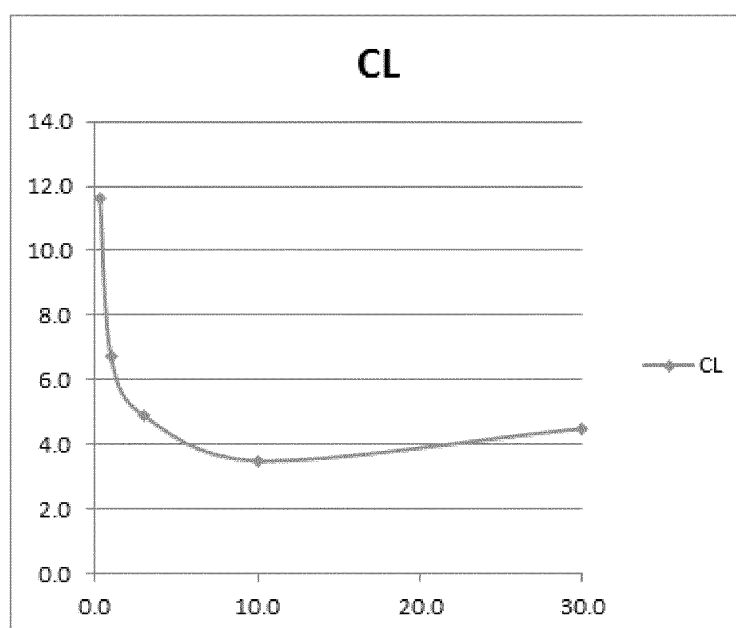
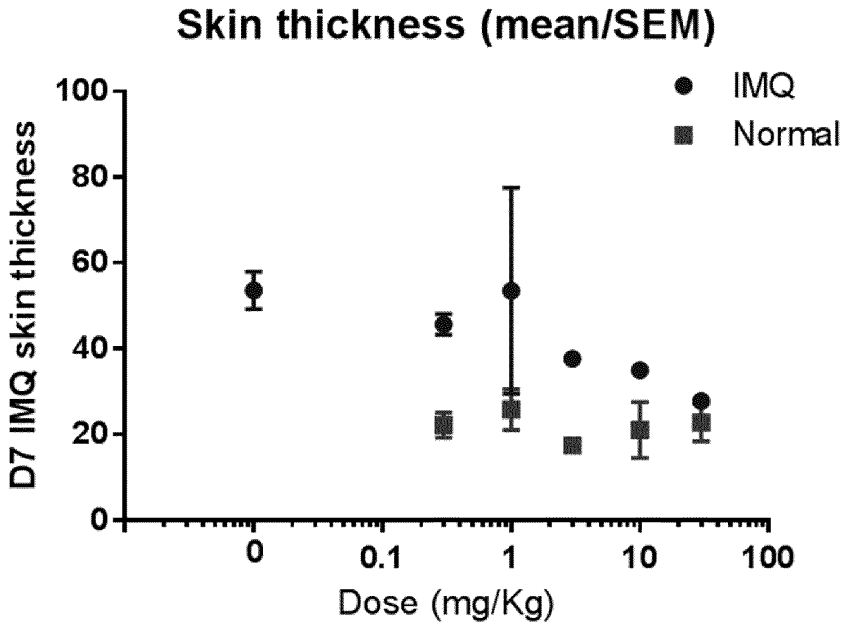


Fig. 14

A



B

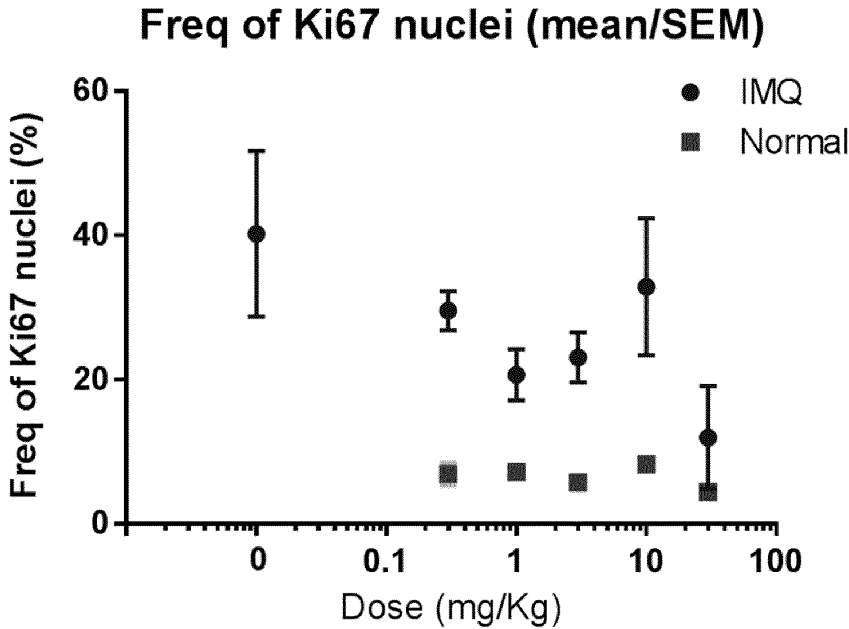


Fig. 15

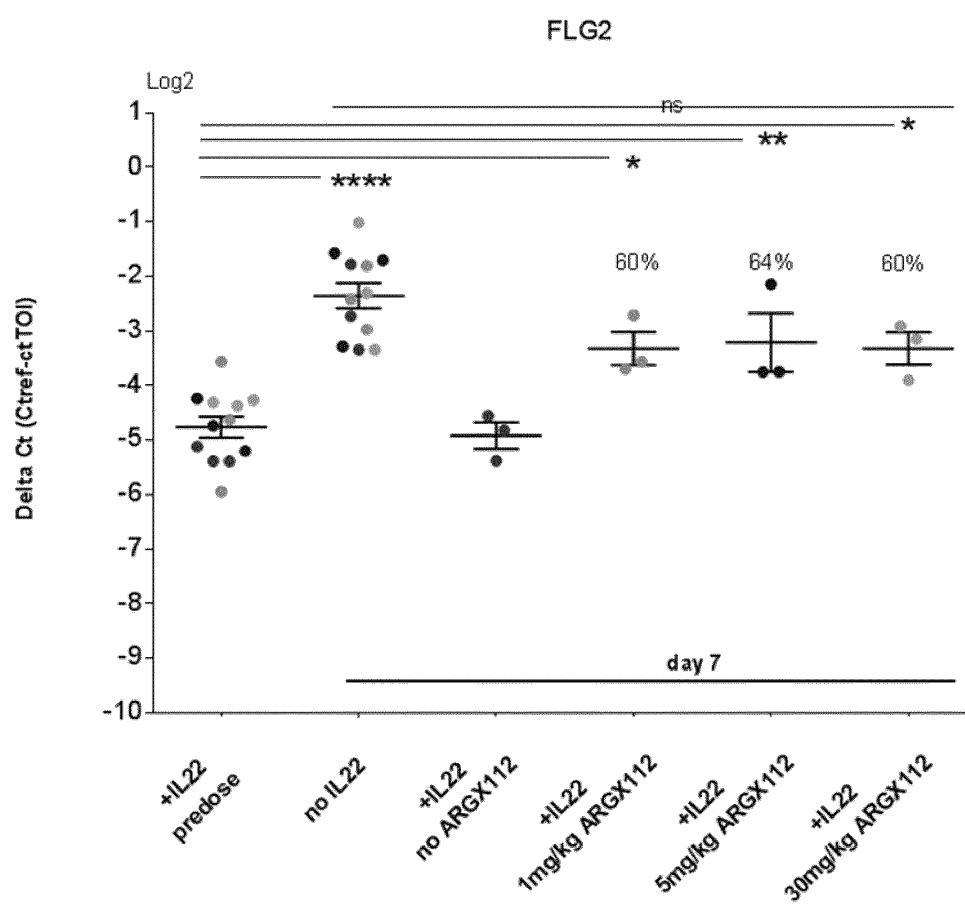


Fig. 16

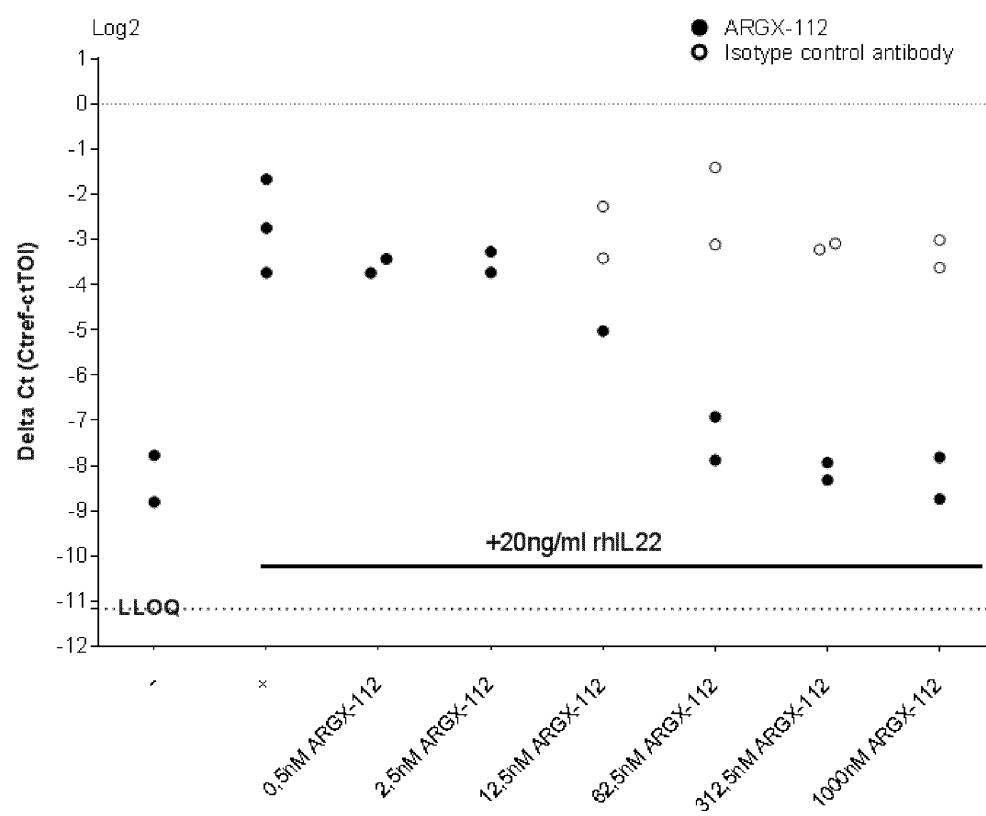
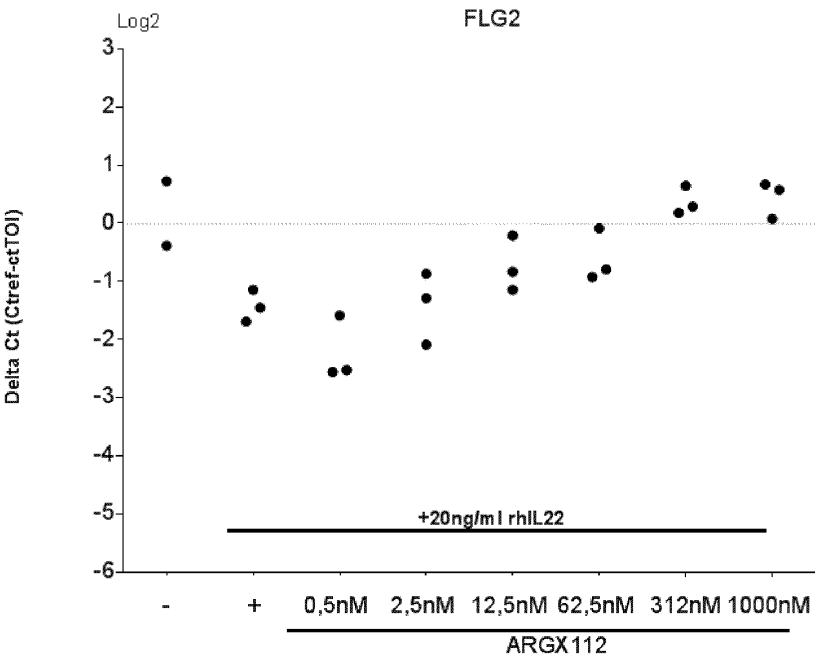


Fig. 17

A



B

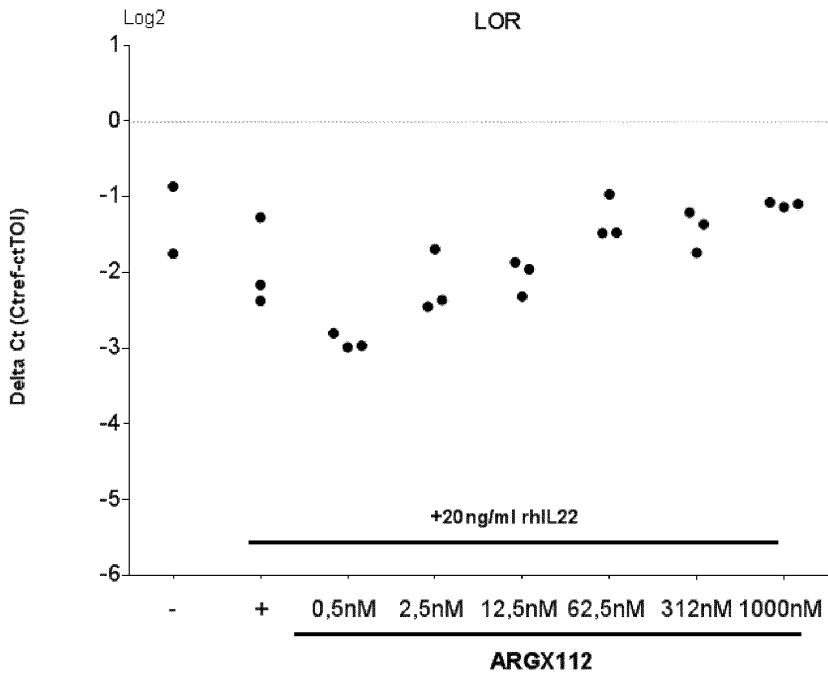


Fig. 18

