

FIG. 1

SEQ ID NO: 1> NR.N6.Ab1_VH

QVQLVQSGAEVKKPGASVKVSCKASGNTFTSYDINWVRQATGQGLEWMGWMNPNSG
 NTGYAQKFQGRVTMTRNTSISTAYMELSSLRSEDTAVYYCVYYNYVWGSFRFDDWGQ
 GTLVTVSS

SYDIN	WMNPNSGNTGYAQKFQG	YNYVWGSFRFDD
SEQ: 5	SEQ: 6	SEQ: 7

SEQ ID NO: 2> NR.N6.Ab1_VL

DIQLTQSPSFLSASVGDRVITTCRASQGISSYLAWYQQKPGKAPKLLIYAASLTQSGVPSR
 FSGSGSGTEFTLAVSSLPEDFATYYCQQLNSYPYTFGQGTKLEIK

RASQGISSYLA	AASLTQS	QQLNSYPYT
SEQ: 8	SEQ: 9	SEQ: 10

SEQ ID NO: 3> NR.N6.Ab2_VH

QVQLVESGGGVVQPGRSLRLSCTASGFTFSHYGMHWVRQAPGKGLEWVSFLWFDGSK
 DNYADSVKGRFTISRDNLSKNMLYLRMDSLRAEDTAVYYCARNGLTIFDYWGQGTLLV
 TVSS

HYGMH	FLWFDGSKDNYADSVKG	NGGLTIFY
SEQ: 11	SEQ: 12	SEQ: 13

SEQ ID NO: 4> NR.N6.Ab2_VL

AIQLTQSPSSLSASVGDRVITTCRASQGINSWLAWYQQKPEKAPKSLIYAASSLTQSGVPS
 RFGSGSGTDFTLTISSLQPEDFATYYCQQYNFYPTFGQGTKLEII

RASQGINSWLA	AASSLTQS	QQYNFYPT
SEQ: 14	SEQ: 15	SEQ: 16

SEQ ID NO: 17>NP_067018.2 claudin-6 precursor [Homo sapiens]

MASAGMQILGVVLTLLGWVNGLVSCALPMWKVTAFIGNSIVVAQVVWEGLWMSCVV
 QSTGQMCKVYDSLLALPQDLQAARALCVIALLVALFGLLVYLAGAKCTTCVEEKDSK
 ARLVLTSGIVFVISGVLTLIPVCWTAHAIRDFYNPLVAEAQKRELGASLYLGWAASGLL
 LLGGGLLCCTCPSGSGQGPSHYMARYSTSAPASRGPSYPTKNYV

SEQ ID NO: 18> XP_005591080.1 PREDICTED: claudin-6 [Macaca fascicularis]

MASAGMQILGVVLTLLGWVNGLVSCALPMWKVTAFIGNSIVVAQVVWEGLWMSCVV
 QSTGQMCKVYDSLLALPQDLQAARALCVIALLVALFGLLVYLAGAKCTTCVEEKDSK

ARLVLTSGIVFVISGVLTLIPVCWTAHAIIIRDFYNPLVAEAQKRELGASLYLGWAASGLL
LLGGGLLCCTCPSGSGRGP SHYMARYSTSAPAISRG PSEYPTKNYV

SEQ ID NO: 19> NP_061247.1 claudin-6 precursor [Mus musculus]

MASTGLQILGIVLTLLGWVNALVSCALPMWKVTAFIGNSIVVAQM VWEGLWMSCVVQ
STGQMCKVYDSLLALPQDLQAARALCVVTLIVLLGLLVYLAGAKCTTCVEDRNSKS
RLVLISGIIFVISGVLTLIPVCWTAHSIIQDFYNPLVADAQKRELGASLYLGWAASGLLLL
GGGLLCCACSSGGTQGPRHYMACYSTSVPHSRGPSEYPTKNYV

SEQ ID NO: 20>NP_066192.1 claudin-9 [Homo sapiens]

MASTGLELLGMTLAVLGWLGTLVSCALPLWKVTAFIGNSIVVAQV VWEGLWMSCVVQ
STGQMCKVYDSLLALPQDLQAARALCVIALLLALLGLLVAITGAQCTTCVEDEGAKA
RIVLTAGVILLLAGILVLIPVCWTAHAIIQDFYNPLVAEALKRELGASLYLGWAAAALLM
LGGGLLCCTCPPPQVERPRGPRLGYSIPSRSGASGLDKRDYV

SEQ ID NO: 21> NP_001296.1 claudin-4 [Homo sapiens]

MASMGLQVMGIALAVLGWLAVMLCCALPMWRVTAFIGSNIVTSQTIWEG LWMNCVVQ
QSTGQMCKVYDSLLALPQDLQAARALVIISIIAALGVLLSVVGGKCTNCLEDESAKA
KTMIVAGVVFLLAGLMVIVPVSWTAHNIIQDFYNPLVASGQKREMGASLYVGWAAASGL
LLLGGGLLCCNCPPRTDKPYSAKYSAARSAAASNYV

SEQ ID NO: 22> NP_001297.1 claudin-3 [Homo sapiens]

MSMGLEITGTALAVLGWLGTIVCCALPMWRVSAFIGSNIITSQNIWEG LWMNCVVQSTG
QMCKVYDSLLALPQDLQAARALIVVAILLA AFGLLVALVGAQCTNCVQDDTAKAKIT
IVAGVLFLLAALLTLVPVSWSANTIIRDFYNPVVPEAQKREMGAGLYVGWAAAALQLL
GGALLCCSCPPREKKYTATKV VYSAPRSTGPGASLGTGYDRKD YV

SEQ ID NO: 23> NR.N6.Ab1_VH N73D

QVQLVQSGAEVKKPGASVKVSC KASGNTFTSYDINWVRQATGQGLEWMGWMNPNSG
NTGYAQKFQGRVTMTRDTSISTAYMELSSLRSEDTAVYYCVYYNYVWGSFRFDDWGQ
GTLVTVSS

SYDIN	WMNPNSGNTGYAQKFQG	YNYVWGSFRFDD
SEQ: 5	SEQ: 6	SEQ: 7

SEQ ID NO: 24 > NR.N6.Ab3_VH

QVQLVESGGGVVQPGRSLRLSCAASGFTFSGYGMHWVRQAPGKGLEWVA~~AIWYDGSN~~
~~KYYADSVKGRFTISSDNSKNTLYLQMKSLRAEDTAVYYCAREWYSSGWSMYDVFDIW~~
 GQGTMTVTSS

GYGMH	AIWYDGSNKYYADSVKG	EWYSSGWSMYDVFDI
SEQ: 32	SEQ: 33	SEQ: 34

SEQ ID NO: 25 > NR.N6.Ab3_VL

QTVVTQEPSFSVSPGGTVTLTCGLSSGSVSTSYPPSWYQQTPGQAPRTLIY~~STNTRSSGV~~
 PDRFSGSILGNKAALTITGAQADDESYYCVLYMGSGIWVFGGGTKLTVL

GLSSGSVSTSYPPS	STNTRSS	VLYMGSGIWV
SEQ: 35	SEQ: 36	SEQ: 37

SEQ ID NO: 26 > NR.N6.Ab4_VH

QVQLVESGGGVVQPGRSLRLSCAASGFIFSSYGMHWVRQAPGKGLEWVA~~VIWYDGSN~~
~~KFYADSVKGRFTISRDNRSRKTLYLQMNSLRAEDTAVYYCARDGRYFDWGGSSYYYYYG~~
~~MDVWGQGTITVTSS~~

SYGMH	VIWYDGSNKFYADSVKG	DGRYFDWGGSSYYYYYGMDV
SEQ: 38	SEQ: 39	SEQ: 40

SEQ ID NO: 27 > NR.N6.Ab4_VL

EIVLTQSPATLSLSPGERATLSCGASQSVSSSYLAWYQQKPGAPRLLIY~~DTSSRATGIPD~~
 RFGSGSGTDFTLTISRLEPEDFAVYYCQQYGSSYTFGQGTKLEIK

GASQSVSSSYLA	DTSSRAT	QQYGSSYT
SEQ: 41	SEQ: 42	SEQ: 43

SEQ ID NO: 28 > NR.N6.Ab5_VH

QVQLVESGGGAVQPGRSLRLSCAASGFIFSSYGMHWVRQAPGKGLEWVA~~IIWFDGRNK~~
~~NYADSVKGRFTISRDNSSKKTLYLEMSSLRAEDTAVYYCARDGRYFDWGGSSYYYYYGM~~
~~DVWGQGTITVTSS~~

SYGMH	IIWFDGRNKNYADSVKG	DGRYFDWGGSSYYYYYGMDV
SEQ: 38	SEQ: 44	SEQ: 40

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SEQ ID NO: 29 > NR.N6.Ab5_VL

EIVLTQSPATLSLSPGERATLSCGASQSVSSSYLAWYQQKPGAPRLLIYDASSRATGIPD
RFSGSGSGTDFTLTISRLEPEDFAVYYCQQYGSSYTFGQGTKLEIK

GASQSVSSSYLA	DASSRAT	QQYGSSYT
SEQ: 41	SEQ: 45	SEQ: 43

SEQ ID NO: 30 > NR.N6.Ab6_VH

QVQLQESGPGLVKPSSETLSLTCTVSGGSISSYYWSWIRQPPGKGLEWIGYIYYSGSTNYN
PSLKSRVTISLDTSKNQFSLKLTSVTAADTAVYYCARGSIPVAGTSYFYYYGMDVWGQG
TTVTVSS

SYWWS	YIYYSGSTNYNPSLKS	GSIPVAGTSYFYYYGMDV
SEQ: 46	SEQ: 47	SEQ: 48

SEQ ID NO: 31 > NR.N6.Ab6_VL

EIVMTQSPATLSLSPGERATLSCRASQSVSSSYLSWYQQKPGQAPRLLIYGASTRATGIPA
RFSGSGSGTDFTLTISSLQPEDFAVYYCQQDYNLPWTFGQGTKVEIK

RASQSVSSSYLS	GASTRAT	QQDYNLPWT
SEQ: 49	SEQ: 50	SEQ: 51

FIG. 2A

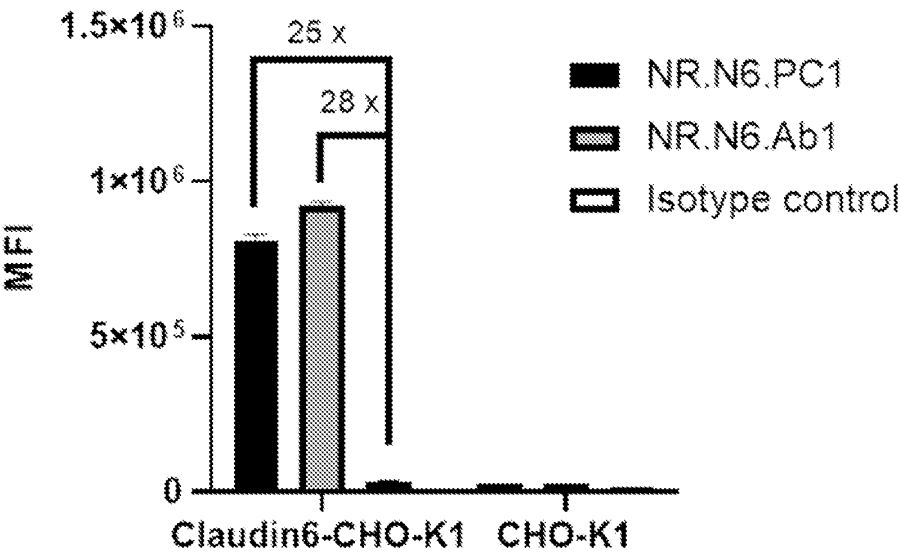


FIG. 2B

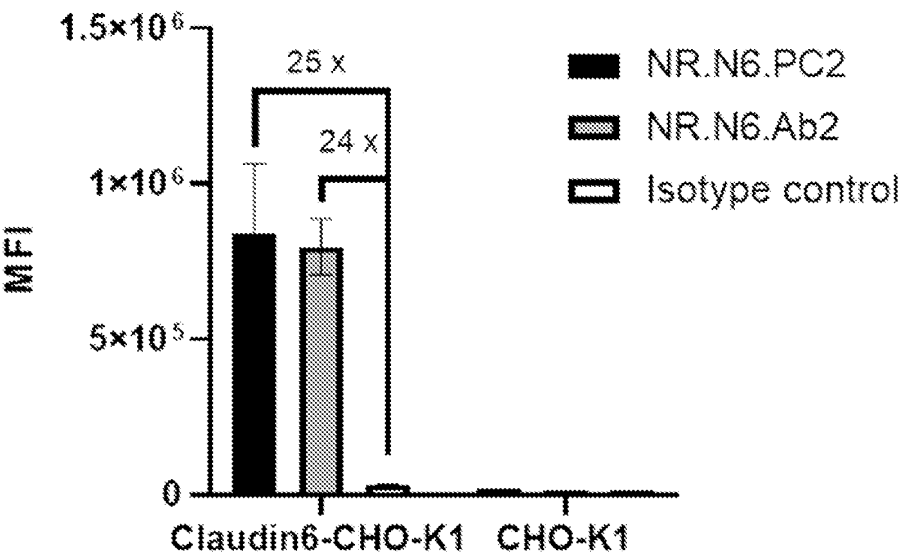


FIG. 3A

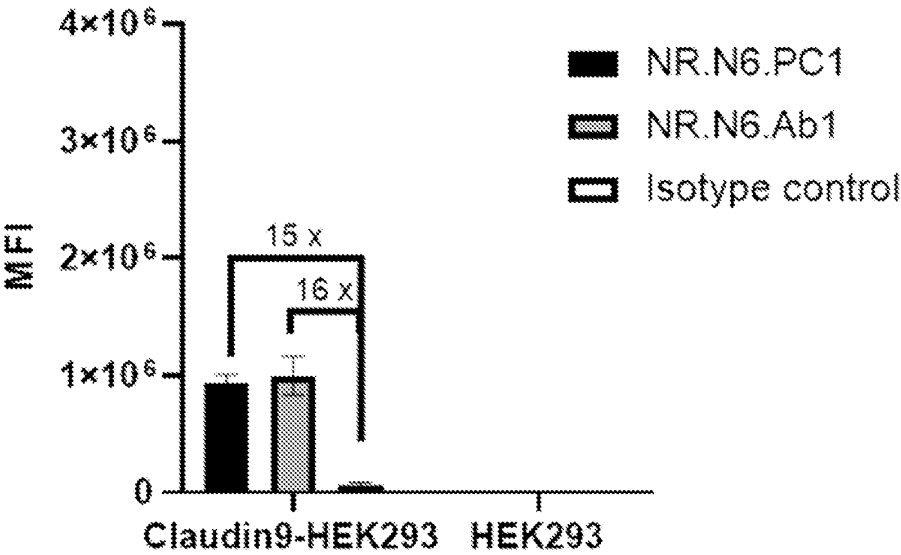


FIG. 3B

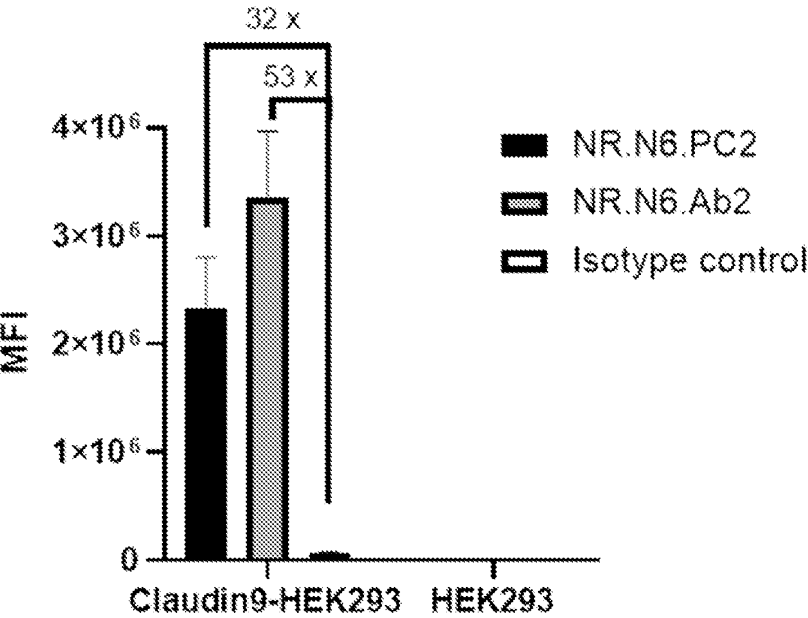


FIG. 4A

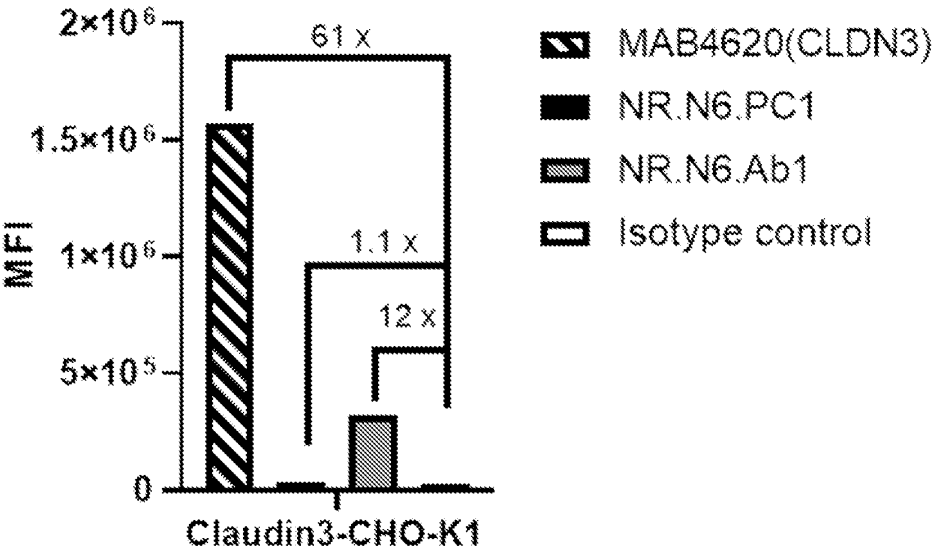


FIG. 4B

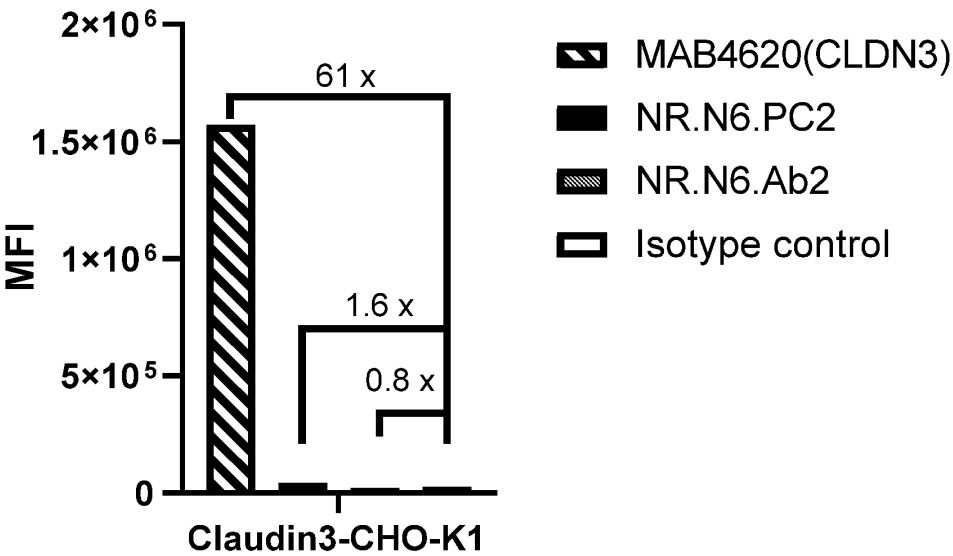


FIG. 5A

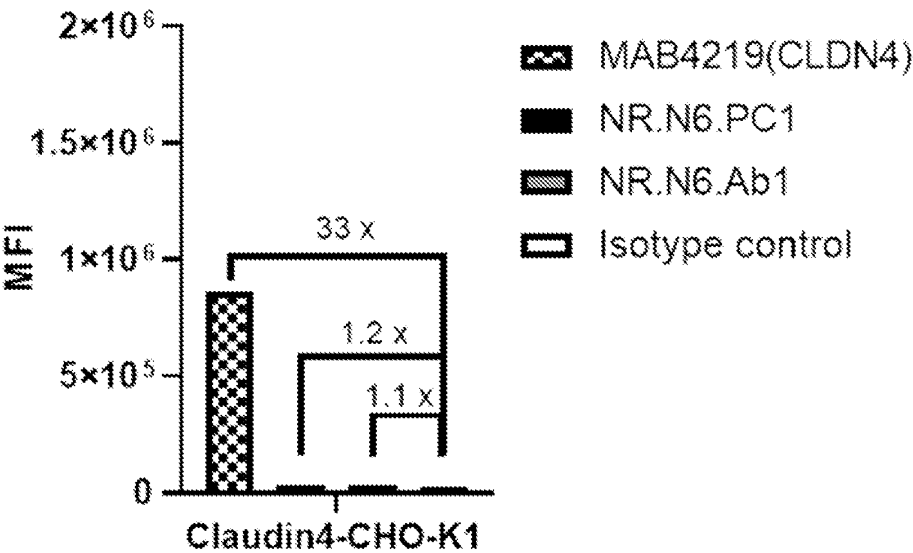
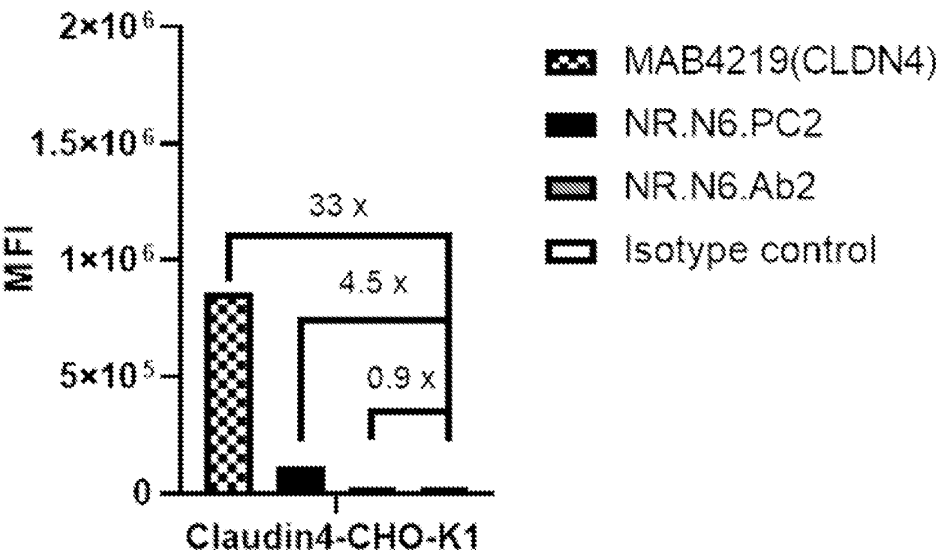


FIG. 5B



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FIG. 6A

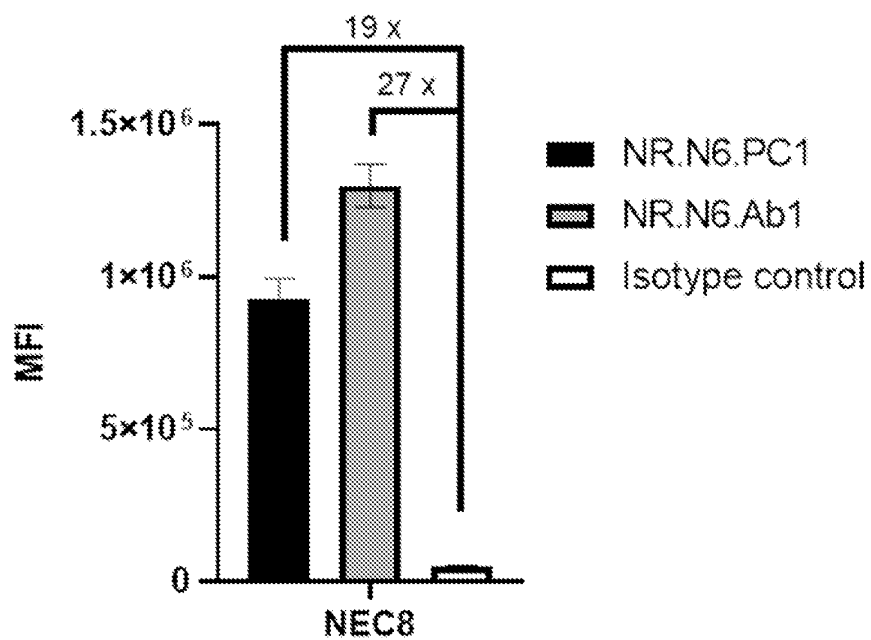


FIG. 6B

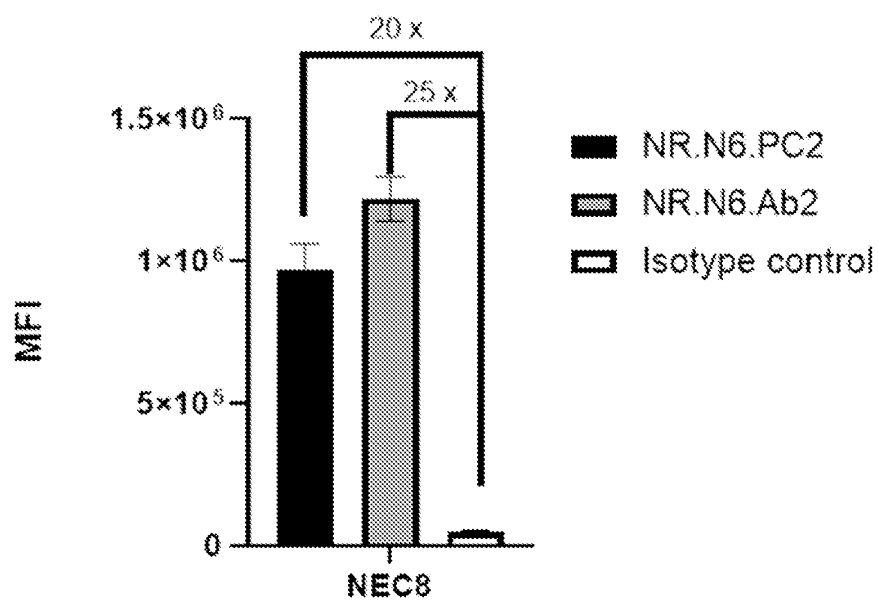


FIG. 7A

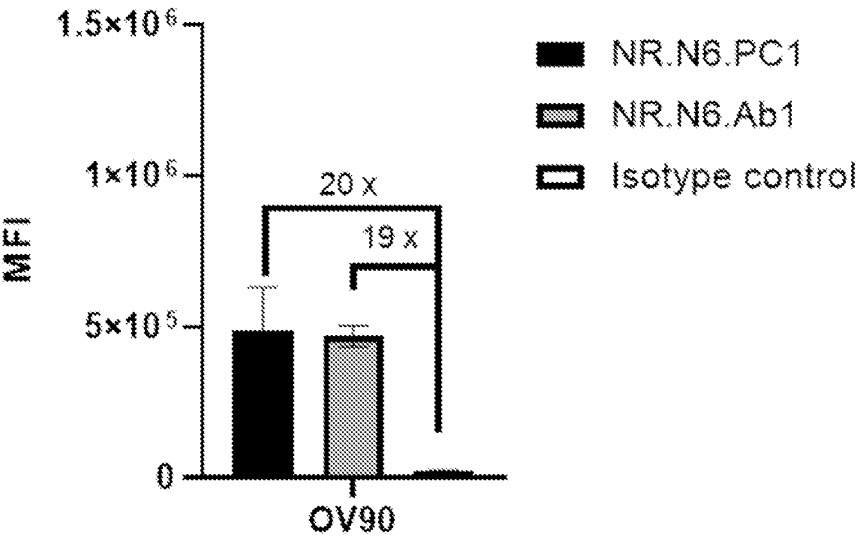


FIG. 7B

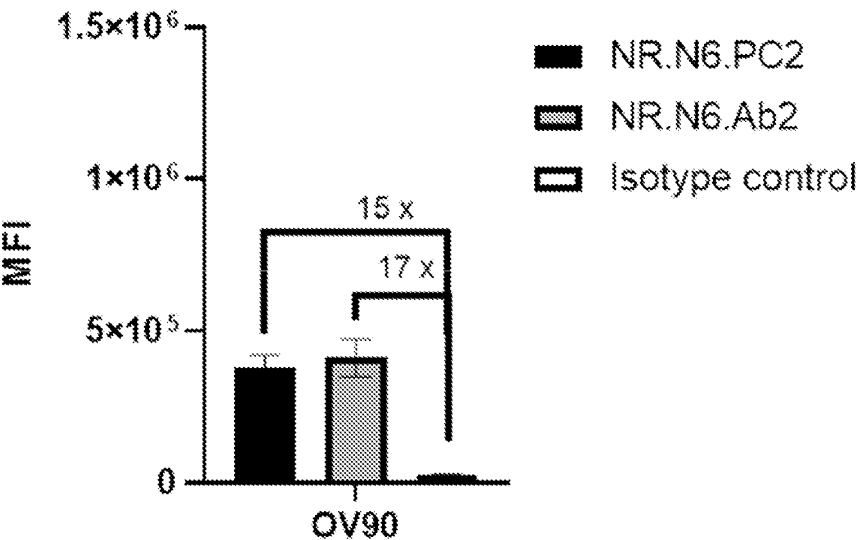


FIG. 8A

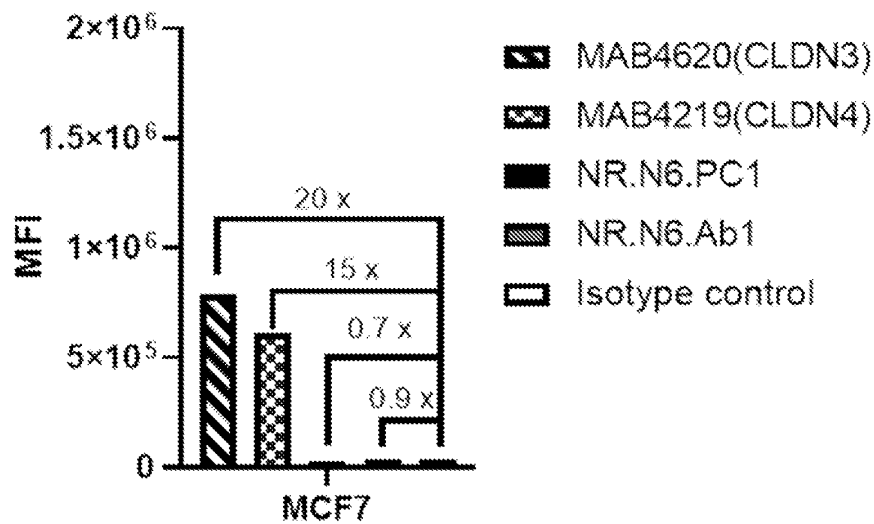


FIG. 8B

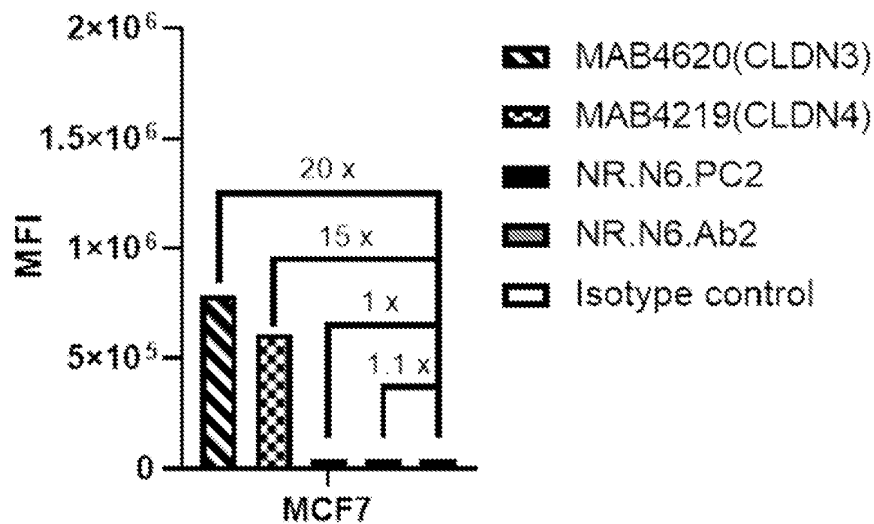


FIG. 9

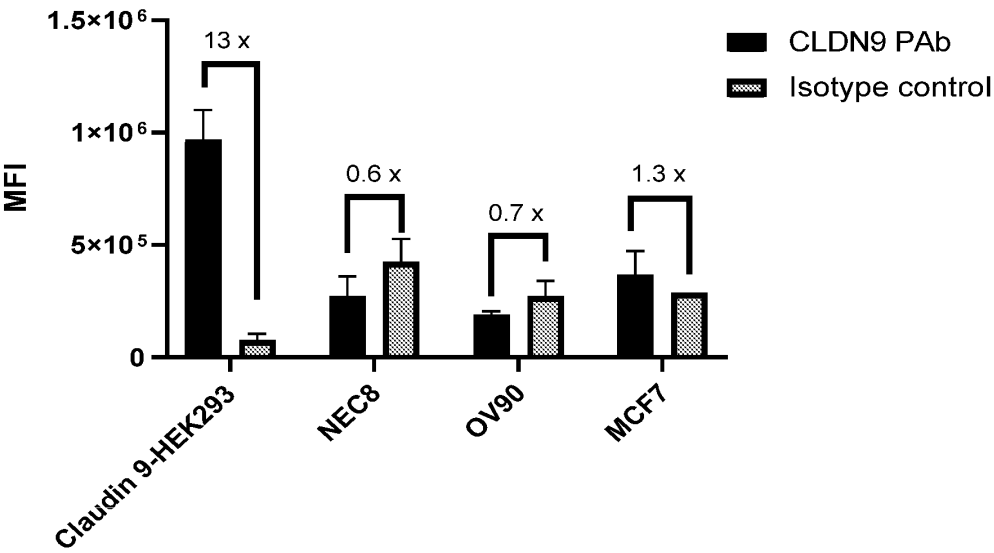


FIG. 10A

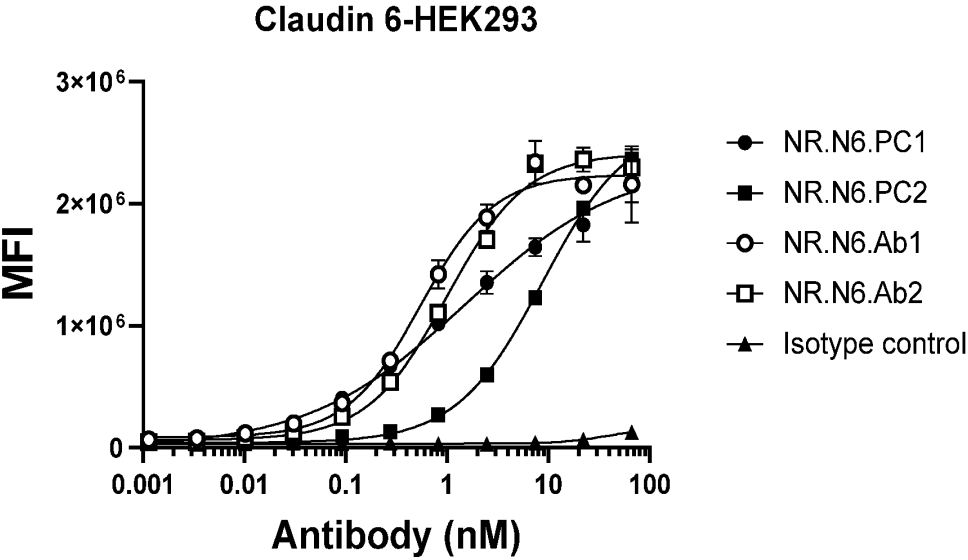


FIG. 10B

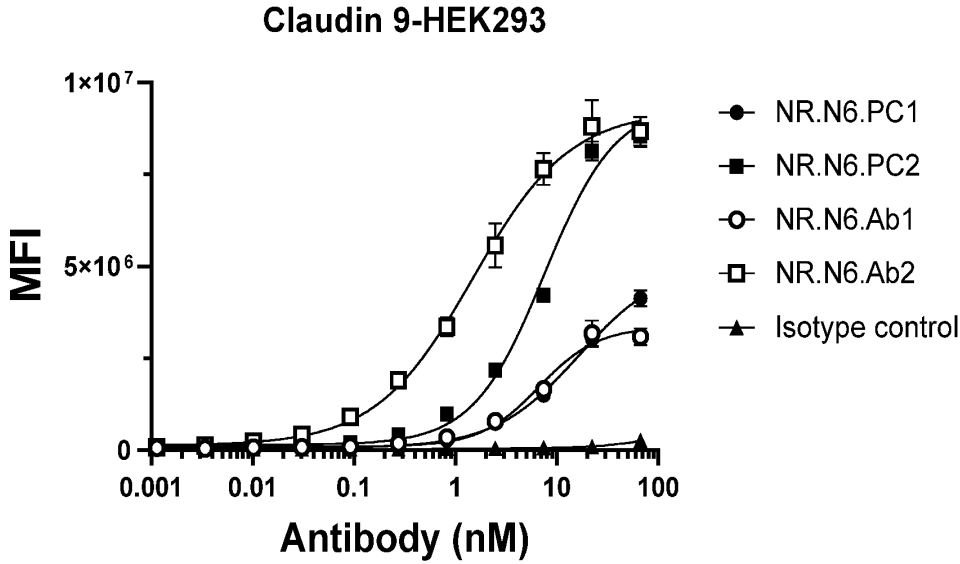


FIG. 10C

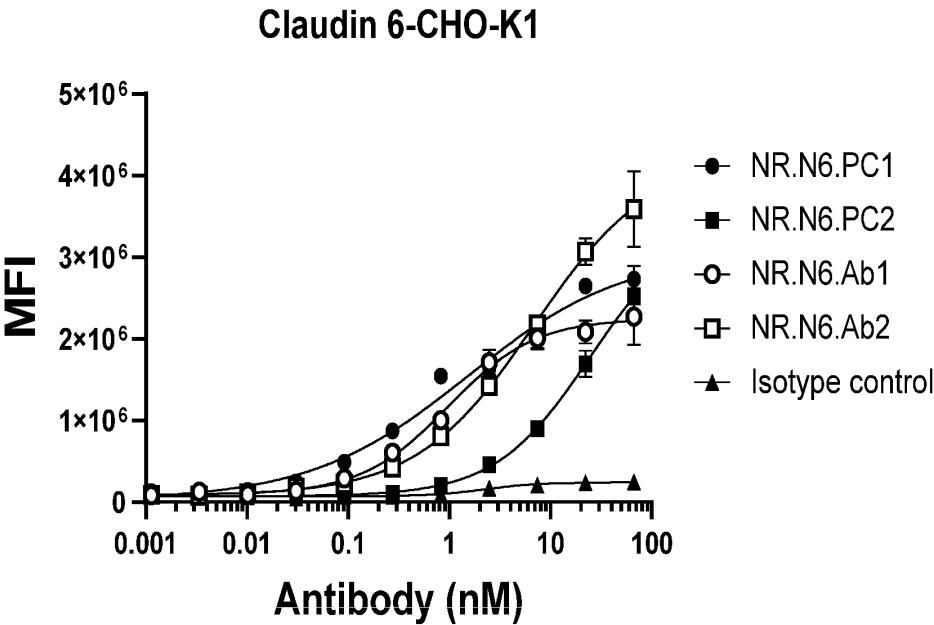


FIG. 11A

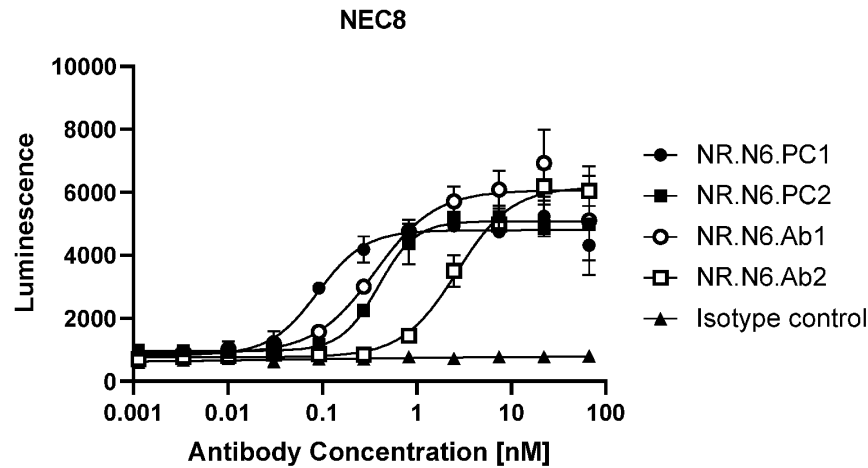


FIG. 11B

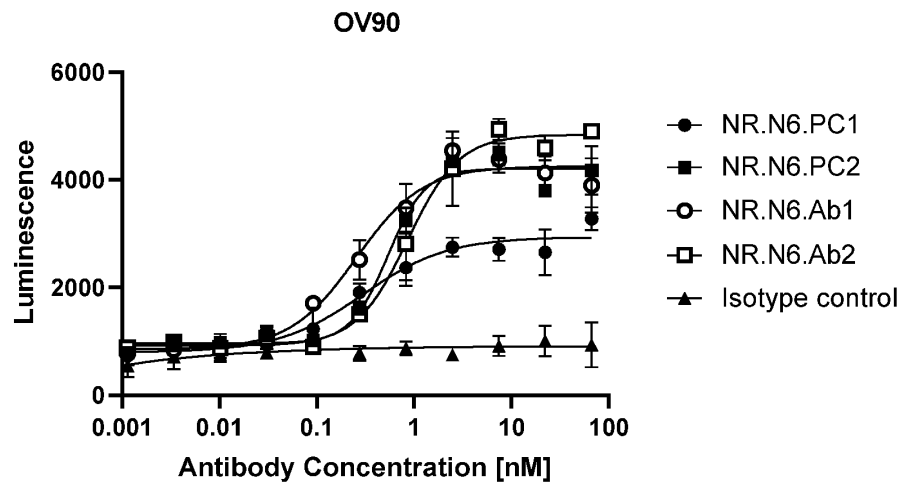


FIG. 12A

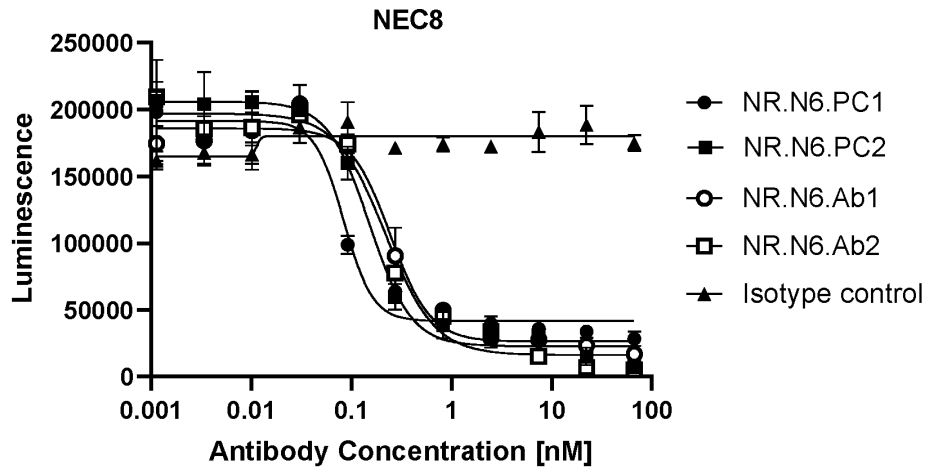


FIG. 12B

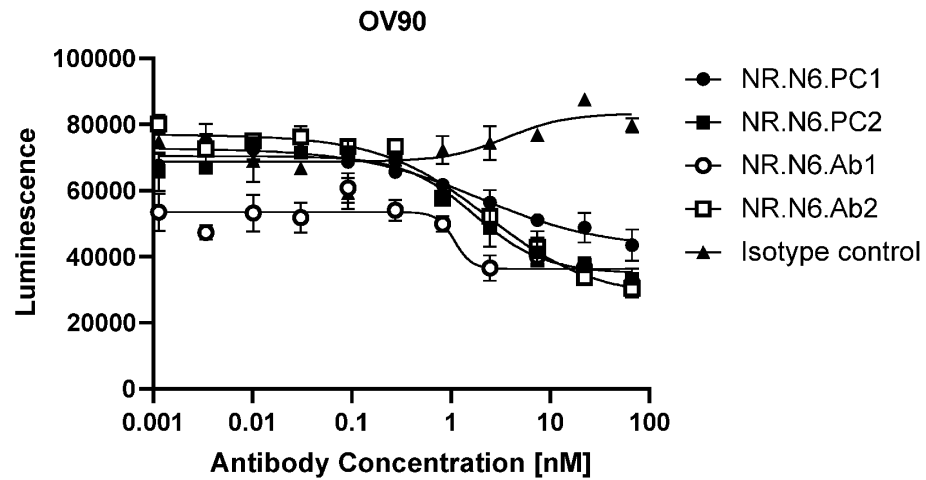


FIG. 12C

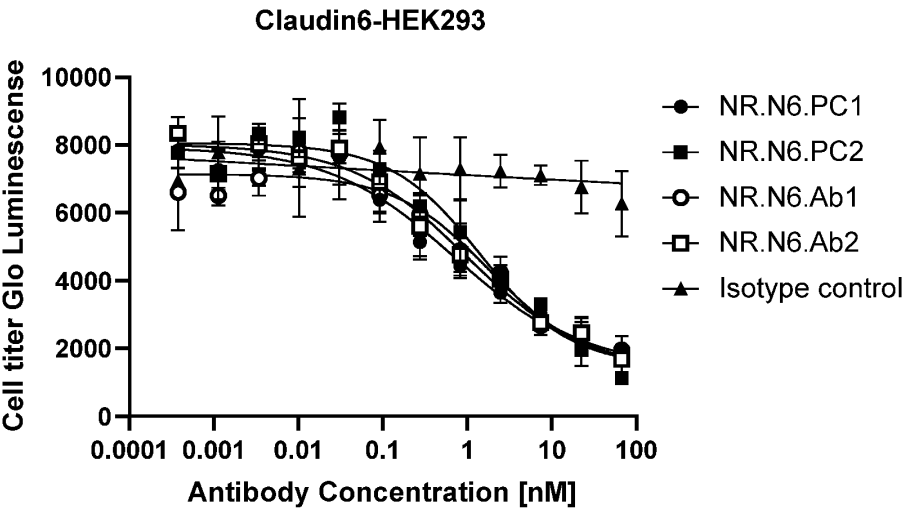


FIG. 13A

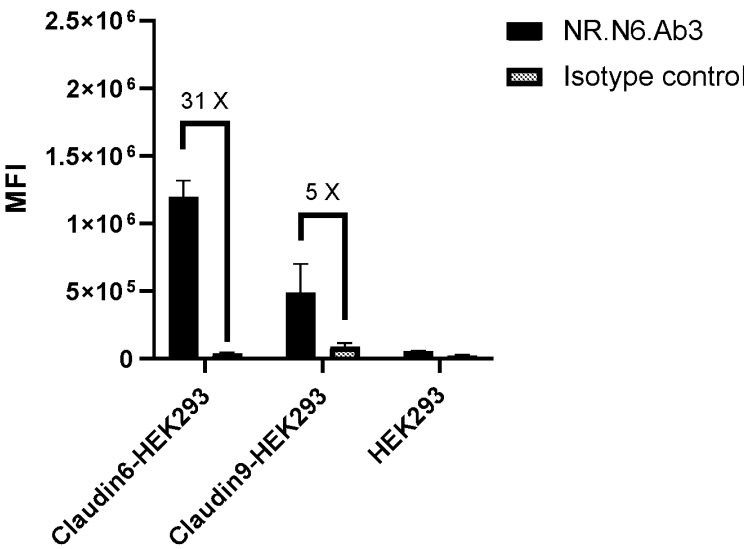


FIG. 13B

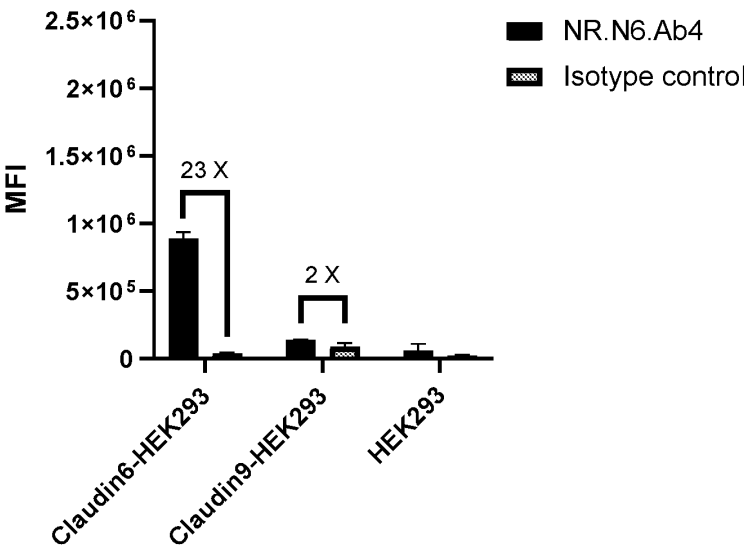


FIG. 13C

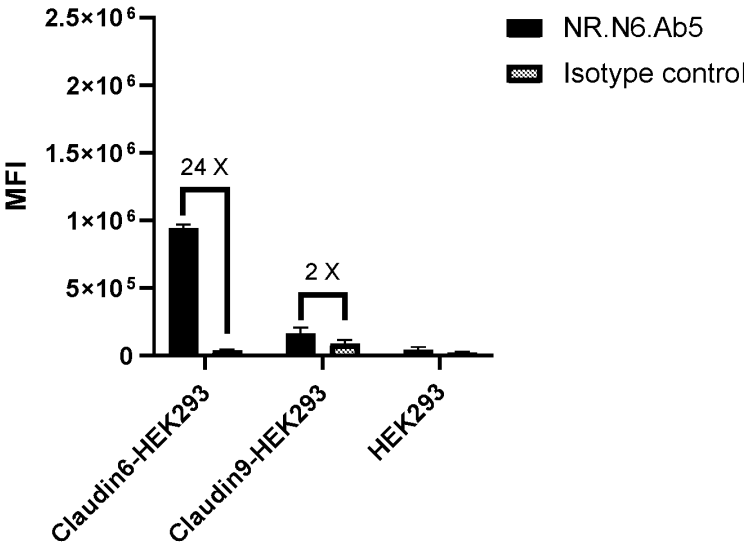


FIG. 13D

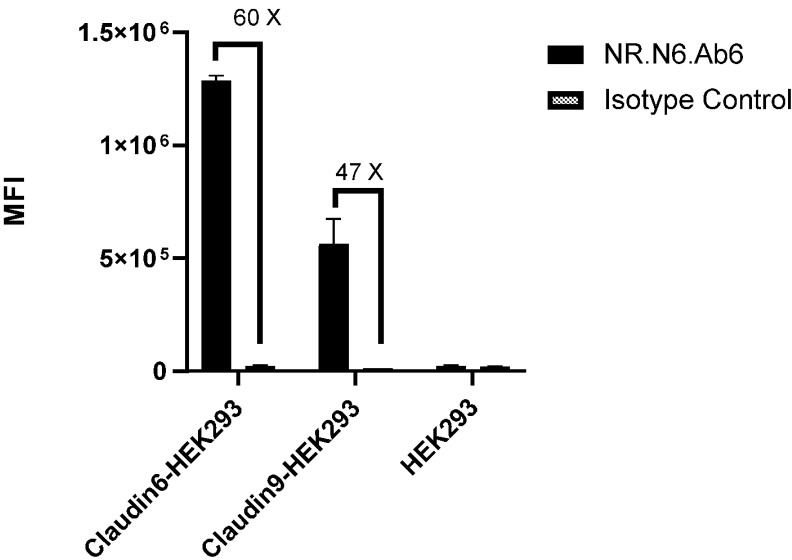


FIG. 14A

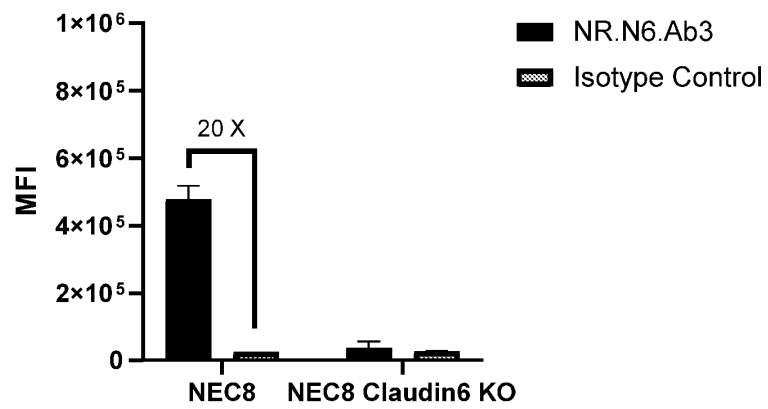


FIG. 14B

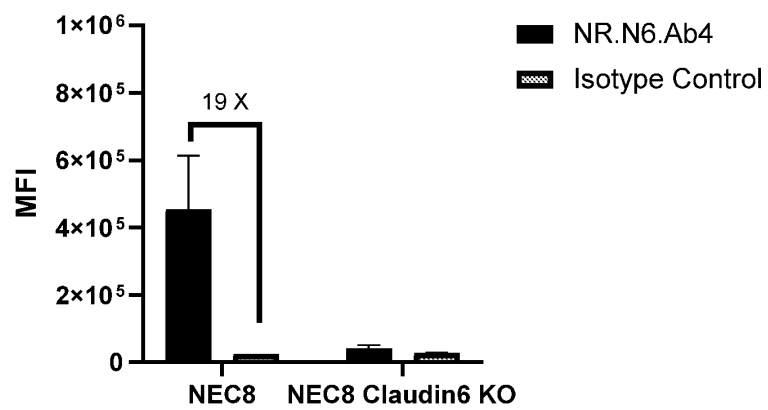


FIG. 14C

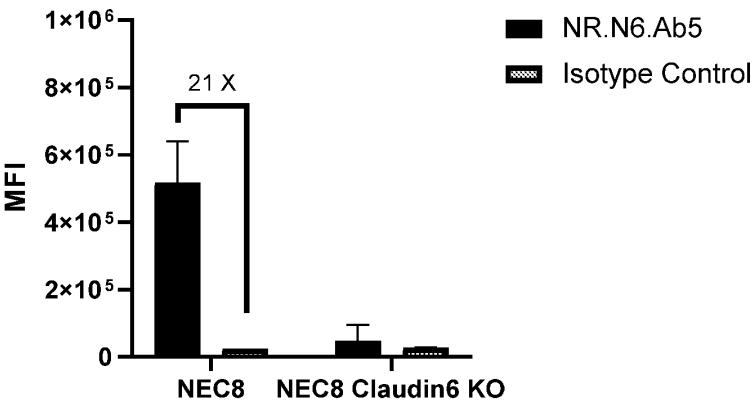
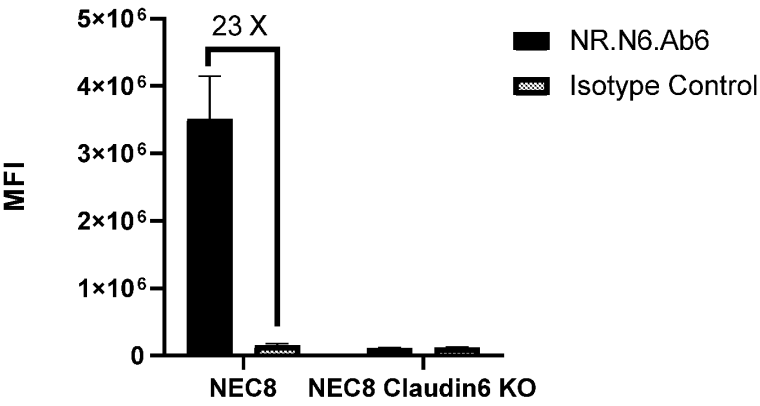


FIG. 14D



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FIG. 14E

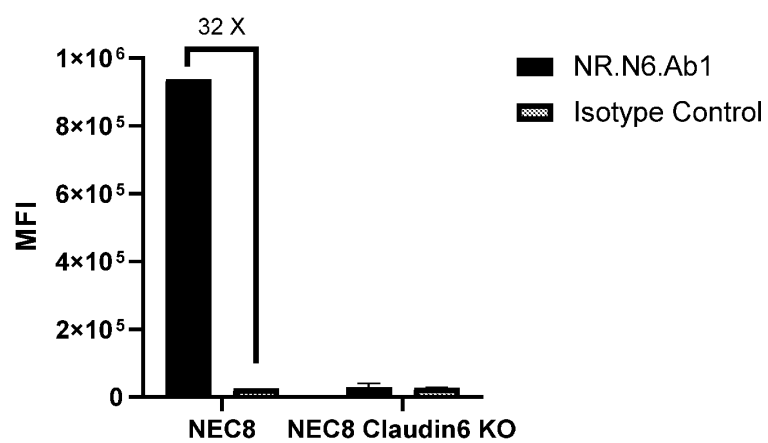


FIG. 15A

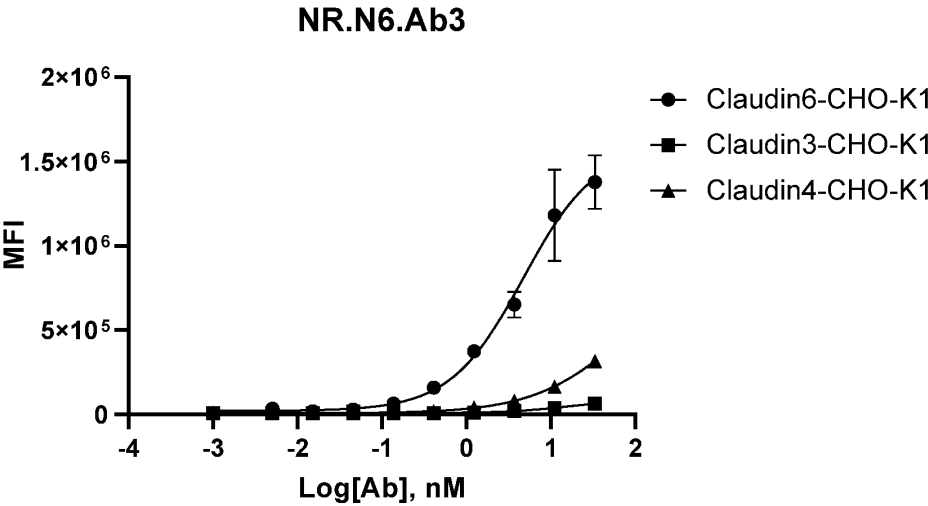


FIG. 15B

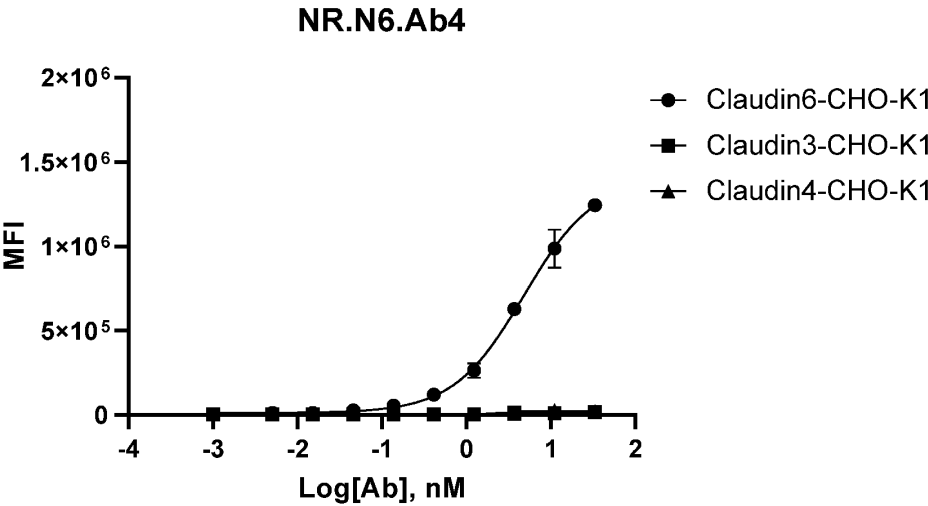


FIG. 15C

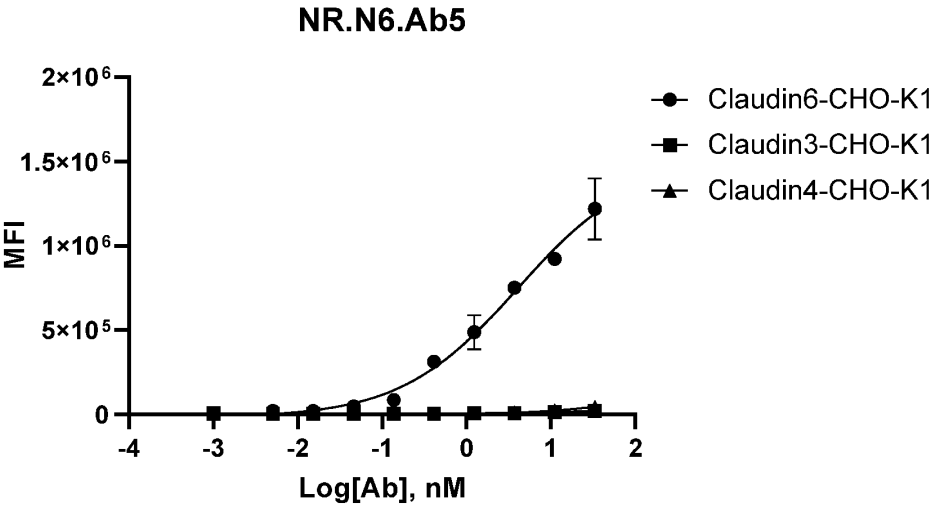


FIG. 15D

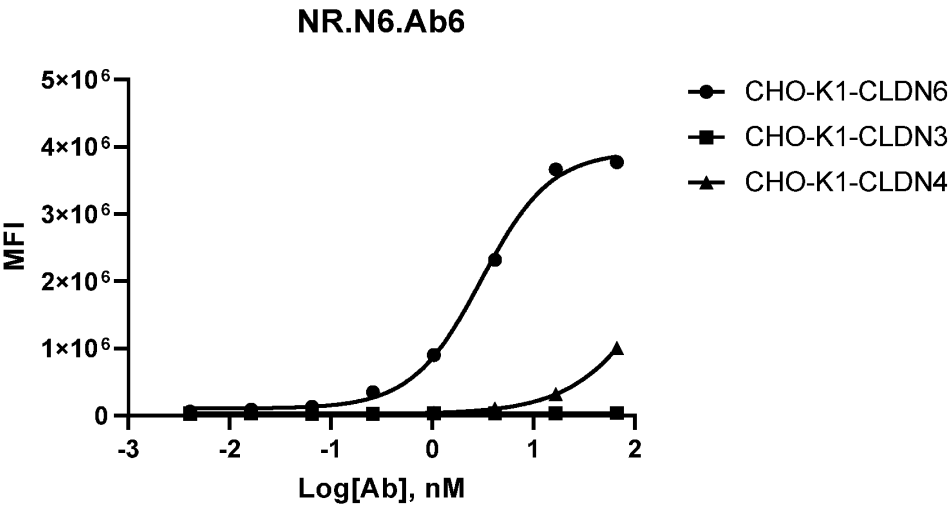


FIG. 15E

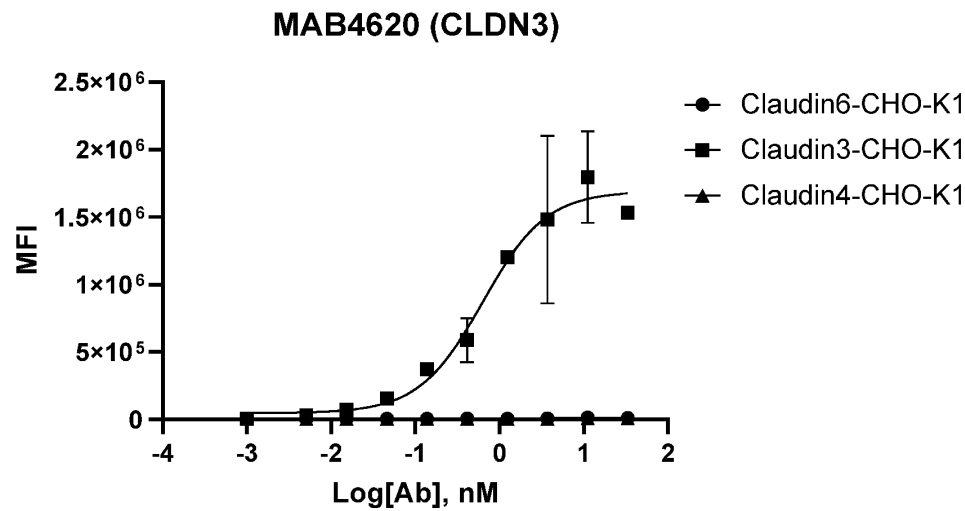


FIG. 15F

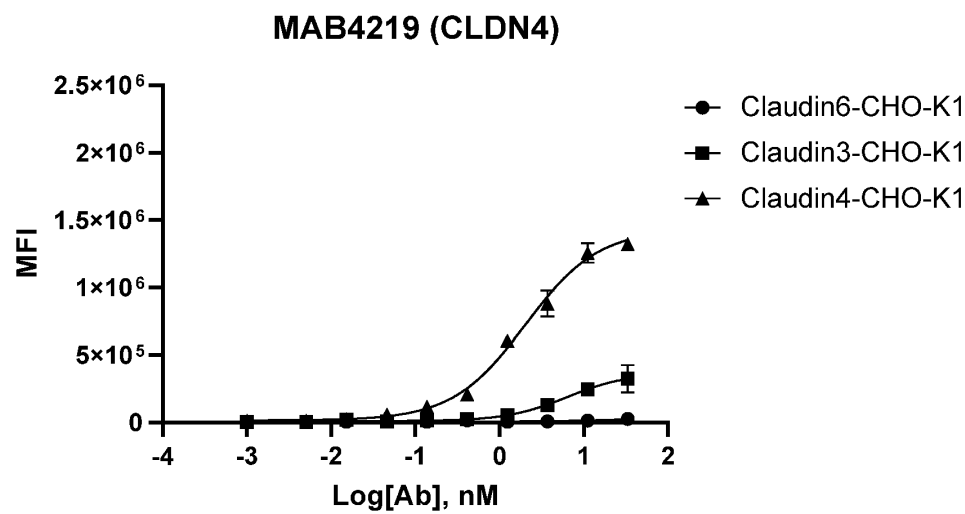


FIG. 16A

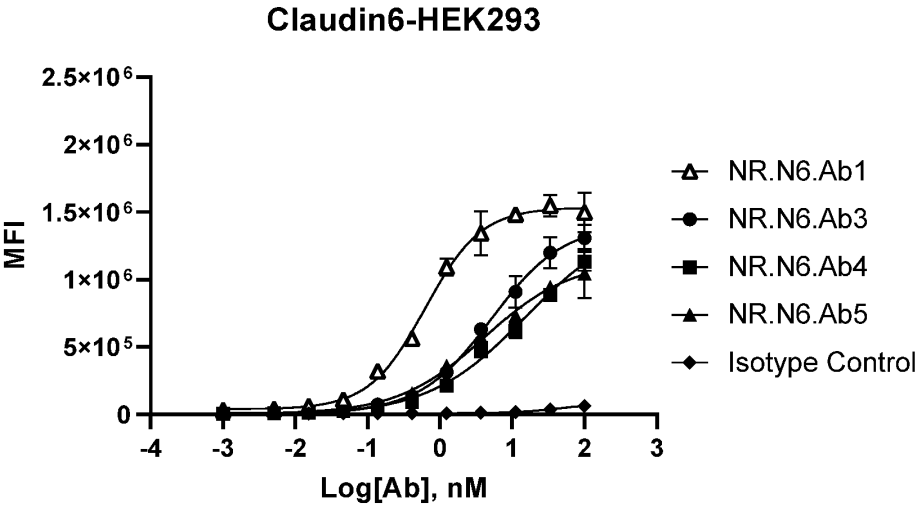


FIG. 16B

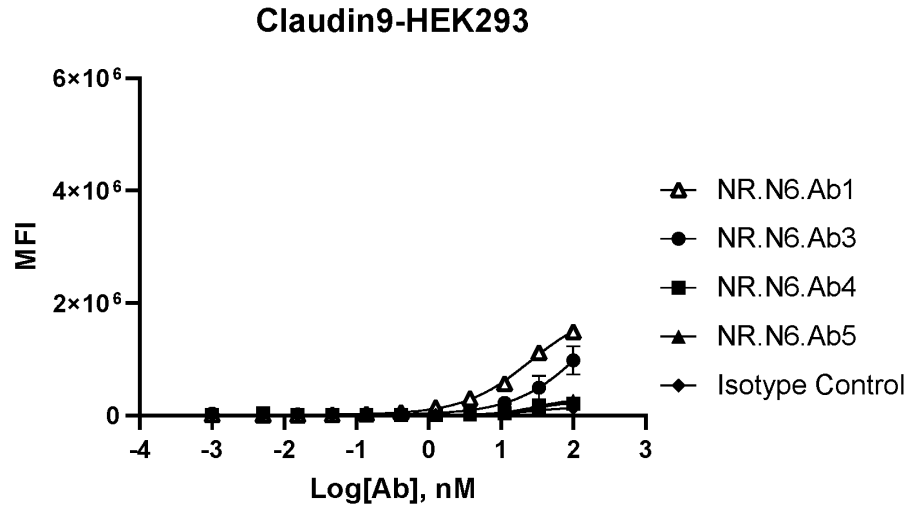


FIG. 16C

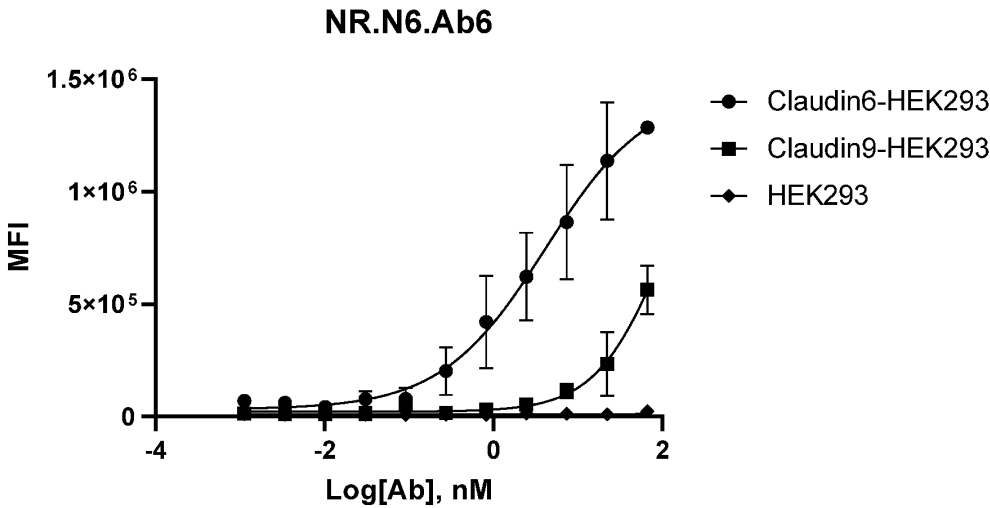


FIG. 16D

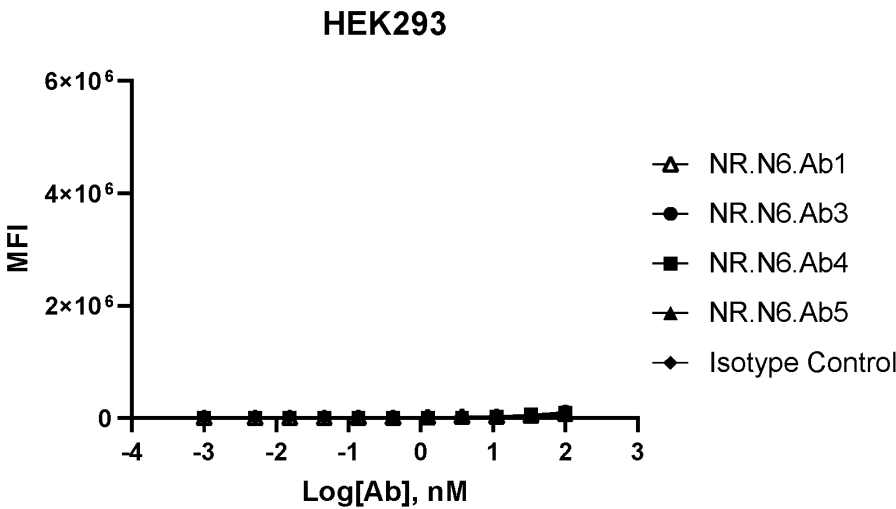


FIG. 17A

NEC8

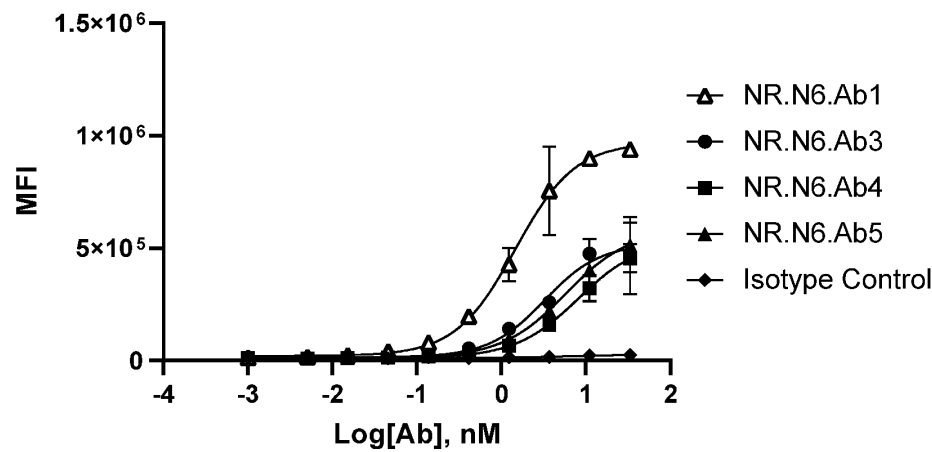
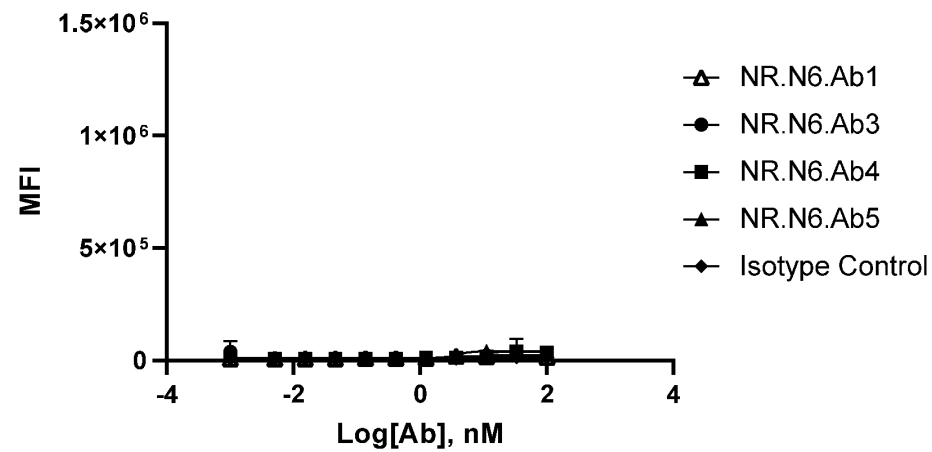


FIG. 17B

NEC8 Claudin6 KO



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FIG. 17C

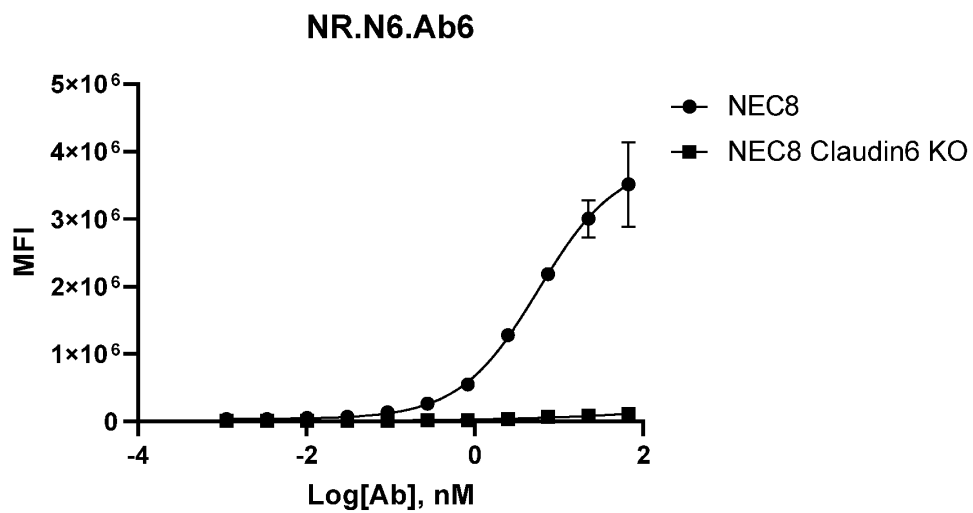


FIG. 18A

Claudin6-HEK293

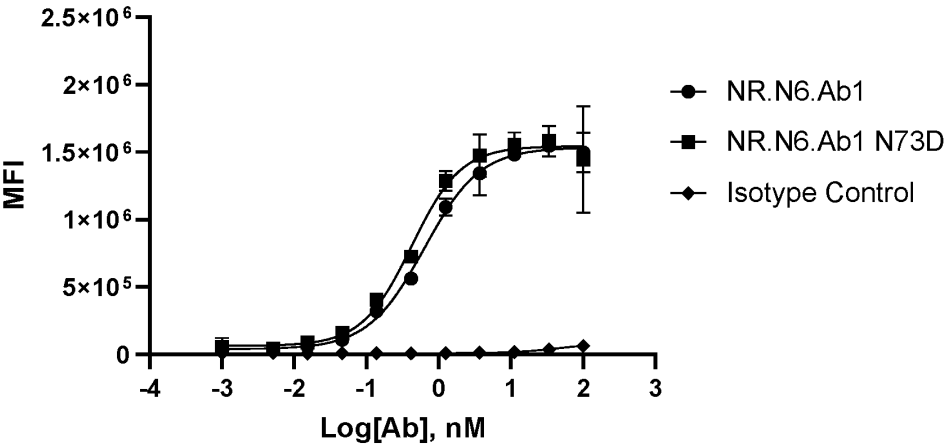


FIG. 18B

Claudin9-HEK293

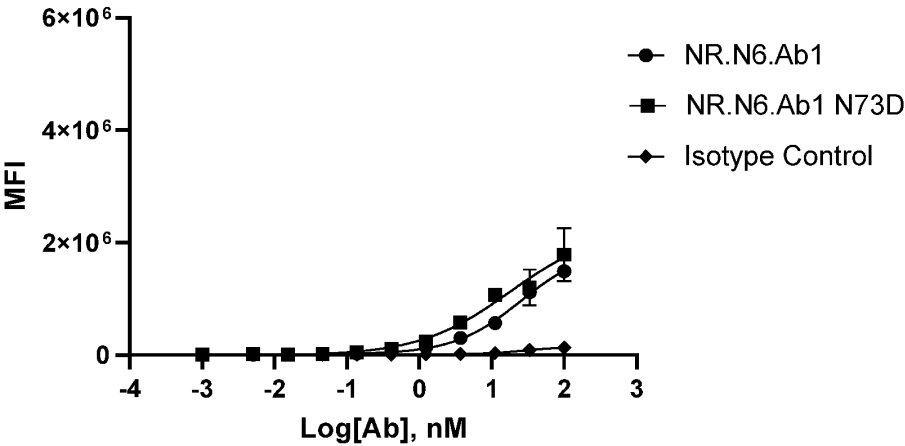


FIG. 18C

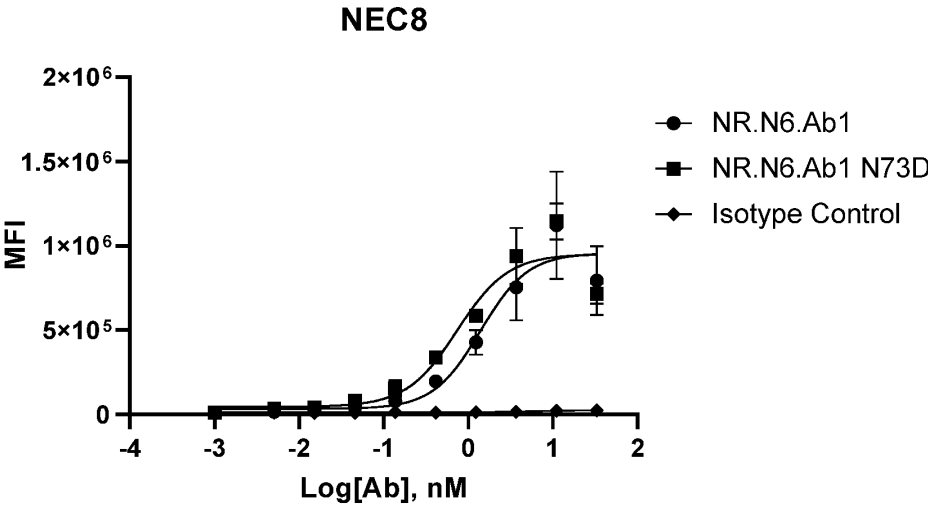


FIG. 18D

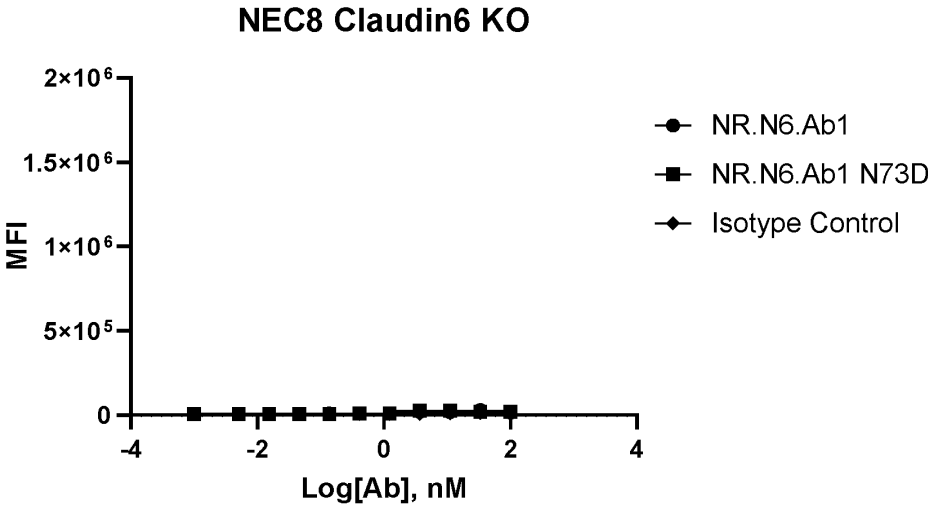


FIG. 19A

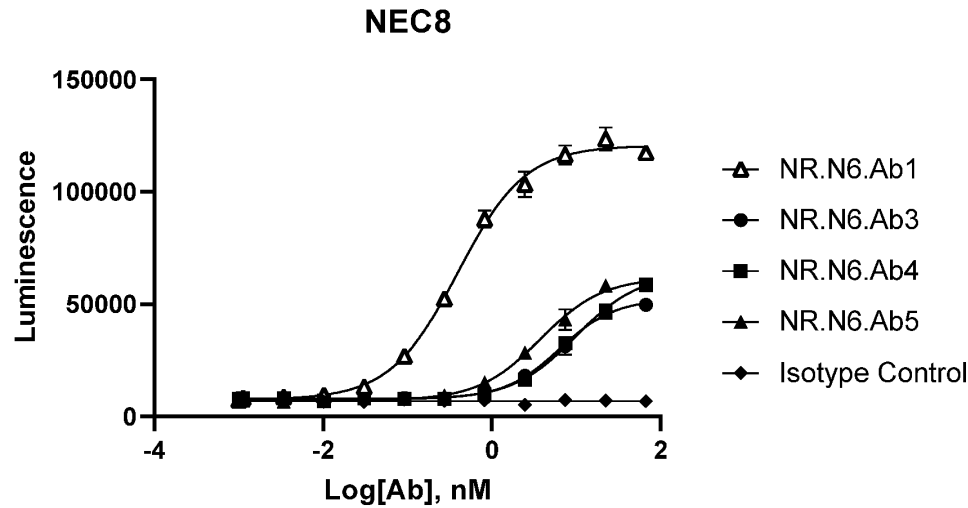


FIG. 19B

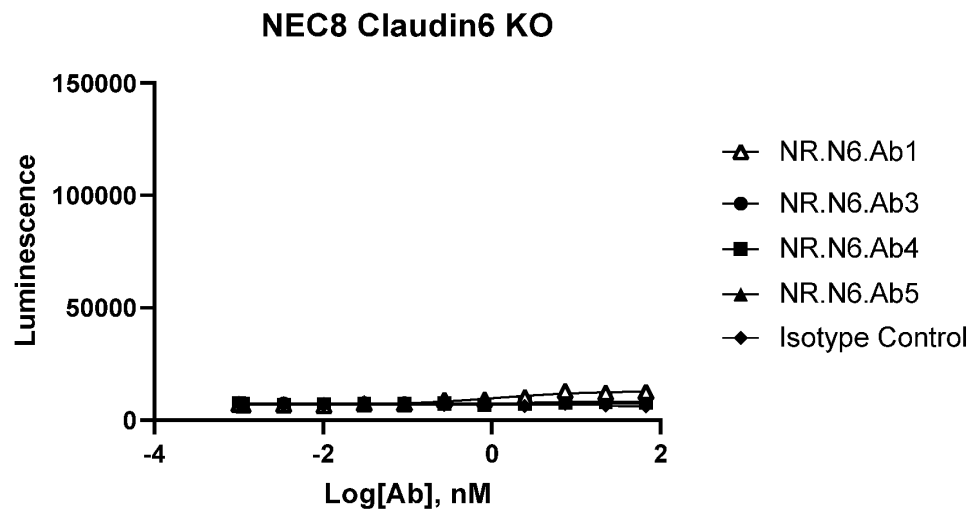


FIG. 20A

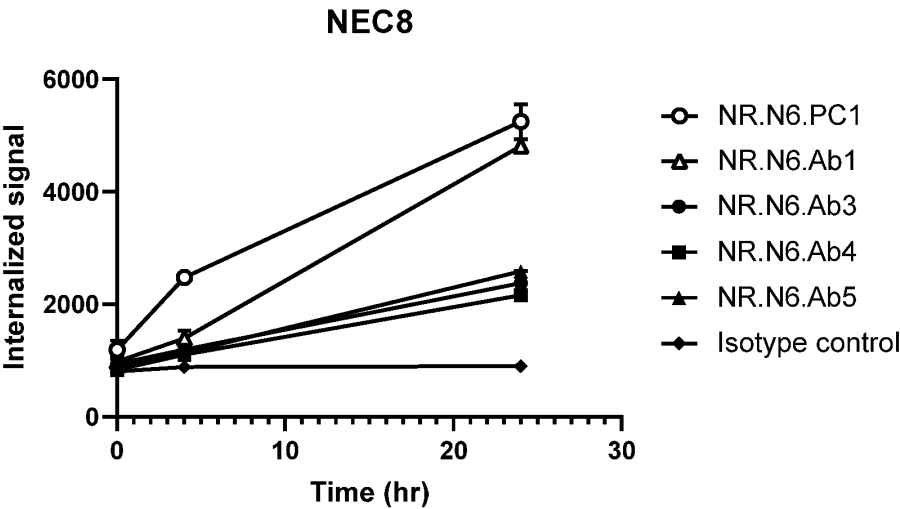


FIG. 20B

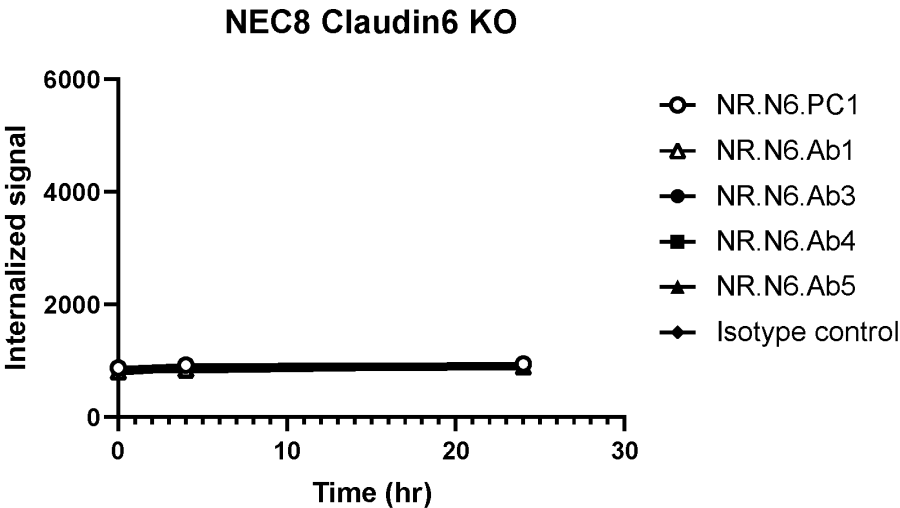


FIG. 21A

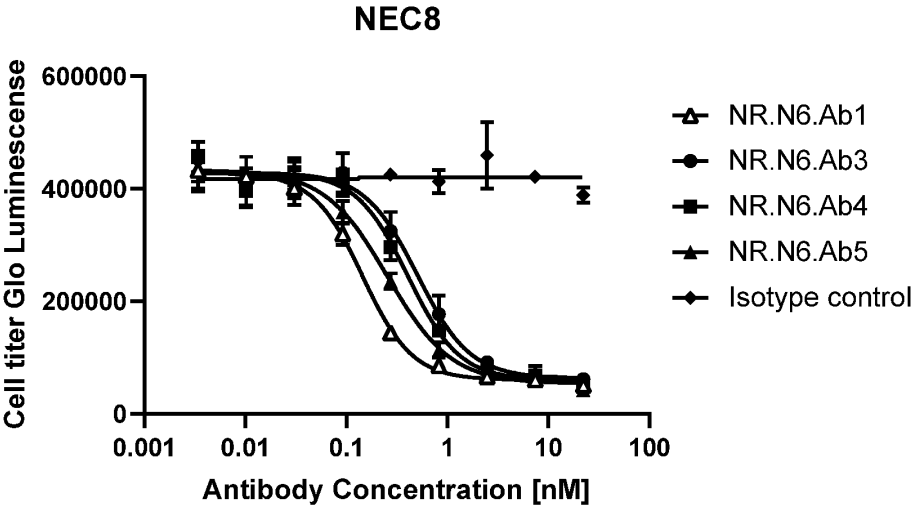


FIG. 21B

