

FIG. 1**SEQ ID NO: 1> N4_mAb 1_VH**

QVQLKQSGPGLVQPSQSLTITCTVSGFSLTNYGVNWRQPPGKGLEWLGVWSSGGSTDYNA
AFISRLSISKDISKSQVFFKMNSLQADDTAKYYCAREGYDGYAMDYWGQGTSTVTVSS

NYGVN	VIWSSGGSTDYNAAFIS	EGYDGYAMDY
SEQ: 17	SEQ: 18	SEQ: 19

SEQ ID NO: 2> N4_mAb 1_VL

DIQMTQSPASLSVSVGETVTITCRASENIFSSLAHYQQKQKGKSPQLLVYGATNLADGVPSRFS
GSGSGTQYSLKINSLSQSEDFGTWCQHFNGNPWTFGGGTKLEIK

RASENIFSSLA	GATNLAD	QHFNGNPWT
SEQ: 20	SEQ: 21	SEQ: 22

SEQ ID NO: 3> N4_mAb 2_VH

QVQLKQSGPNLVQPSQSLTITCTVSGFSLTTYGAHWVROSPGKGLEWLGVWIRGGSTDYNA
AFMSRLSITKDNSKSQVFFKMNSLQADDTAIYYCAKIGYDGYAMDYWGQGTSTVTVSS

TYGAH	VIWIRGGSTDYNAAFMS	IGYDGYAMDY
SEQ: 23	SEQ: 24	SEQ: 25

SEQ ID NO: 4> N4_mAb 2_VL

DFQVLTQSPASLSASVGETVTITCRASENIHNYLAHYQQKQKGKSPQLLVYNAKTLADGVPSRF
SGSGSGTQYSLKINSLSQPEDFGTTYCQHFWSNPWTFGGGTKLEIK

RTSENIHNYLA	NAKTLAD	QHFWSNPWT
SEQ: 26	SEQ: 27	SEQ: 28

SEQ ID NO: 5> N4_mAb 3_VH

EVQLQQSGAELVKPGASVKLSCTVSGFNKDTYMHVWKQRPEQGLEWIGRIDPANGNTKYD
PKFQKGATIIADKASNTAYLQLSSLTSEDAAVYYCAHYGGSSYFAMDCWGQGTSTVTVSS

DTYMH	RIDPANGNTKYDPKFQG	YYGGSSYFAMDC
SEQ: 29	SEQ: 30	SEQ: 31

SEQ ID NO: 6> N4_mAb 3_VL

DIVMTQSHKFMSTSVGDRVSITCKASQDVSTAVAWYQQKPGQSPKLLIYWASTRHTGVDPDR
FTGSGSGTDYTLTISSVQTEDLALYYCQHHYSTPLTFGAGTKLELK

KASQDVSTAVA	WASTRHT	QHHYSTPLT
SEQ: 32	SEQ: 33	SEQ: 34

SEQ ID NO: 7> N4_mAb 4_VH

DVQLQESGPDLVKPSQSLTCTVTGYSITSAYNWHWIRQFPGNKLEWMGYIHYSGRNTNYP
SLKSRISITRDTSKNQFFLQLNSLTEDTATYYCARWITTATGWYLDVWGAGTTTVTVSS

SAYNWH	YIHYSGRNTNYPNLSKS	WITTATGWYLDV
SEQ: 35	SEQ: 36	SEQ: 37

FIG. 1 (continued)**SEQ ID NO: 8> N4_mAb 4_VL**

DIVLTQSPASLA VSLGQRATISCRASESVANYGISFMNWFQKPGQPPKLLIYAASNQGSQGV
 ARFSGSGSGTDFSLNIHPMEEDDTAMYFCQQSKEVPWTFGGGKLEIK

RASESVANYGISFMN	AASNQGS	QQSKEVPWT
SEQ: 38	SEQ: 39	SEQ: 40

SEQ ID NO: 9> N4_mAb 5_VH

EVQLQQSGPDLVKPGASVKISCKASGYSTGHYMHVWKQSHGKSLEWIGRVNPNNGGSSYN
 QKFQDKAILTVDKSSTAYMELRSLTSEDSAVYYCARDPLGGSYGFAIWGQGLTVSA

GHYMH	RVNPNNGGSSYNQKFQD	DPLGGSYGFAI
SEQ: 41	SEQ: 42	SEQ: 43

SEQ ID NO: 10> N4_mAb 5_VL

DIVLTQSPASLA VSLGQRATISCRASQSVTTSSYSYMHVWYQKPGQPPKLLIKYASNLESGVP
 ARFSGSGSGTDFTLNIHPVEEEDTATYYCQHSWEIPYTFGGGKLEMK

RASQSVTTSSYSYMH	YASNLES	QHSWEIPYT
SEQ: 44	SEQ: 45	SEQ: 46

SEQ ID NO: 11> N4_mAb 6_VH

QVQLQQSGPELVKPGASVRIKCKASGYTFTYYIHVWKQRPQGQLEWIGWIYPGNVNTKYTE
 NFKDKATLTADKSSSTAYMQLSSLTSEDSAVYFCARGLYYFDFWGQGTTLTVSS

TYYIH	WIYPGNVNTKYTENFKD	GLYYFDF
SEQ: 47	SEQ: 48	SEQ: 49

SEQ ID NO: 12> N4_mAb 6_VL

SIVMTQTPKFLVSAAGDRVTITCKASQSVNNDVAWYQKPGQSPKLLIYYASNRDTGVPDRF
 TGSFGTDFTFITSSVQAEDLAVYFCQDYSSPYTFGGGKLEIK

KASQSVNNDVA	YASNRDT	QDYSSPYT
SEQ: 50	SEQ: 51	SEQ: 52

SEQ ID NO: 13> N4_mAb 7_VH

QVQLQQSGPELVKPGASVKMSCKASGYTFTYYIHVWKQRPQGQLEWIGWIYPGNAGIKSN
 EKFKGKTTLTADKSSSTAYMQLSSLTSEDSAIYFCARGVYFFDYWGQGTTLTVSS

TYYIH	WIYPGNAGIKSNEFKG	GVYFFDY
SEQ: 47	SEQ: 53	SEQ: 54

SEQ ID NO: 14> N4_mAb 7_VL

SIVMTQTPKFLVSAAGDRVTITCKASQSVNNDVSWFQKPGQSPKLLIYYASNRYTGVPDRFS
 GSGYGTDFTFITTVQAEDLAVYFCQDYSSPYTFGGGKLEIK

KASQSVNNDVS	YASNRYT	QDYSSPYT
SEQ: 55	SEQ: 56	SEQ: 52

SEQ ID NO: 15> N4_mAb 8_VH

FIG. 1 (continued)

QVQLQQSGPVLVKPGASVRISCKASGYTFTSY~~Y~~IHWVKQRPQGGL~~E~~WIGWIYPGNVNTKYN
ENFRD~~K~~ATLTADKSSSTSYMQLSSLTSEDSAVYFCARGI~~Y~~YFDYWGQGTTLTVSS

SY ~~Y~~ IH	WIYPGNVNTKYNENFRD	GI ~~Y~~ YFDY
SEQ: 57	SEQ: 58	SEQ: 59

SEQ ID NO: 16> N4_mAb 8_VL

IIVMTQTPKFLLVSAGDRVITITCKASQSVNNDVAWYQEKPQSPKLLIYYASNRDTGVPDRF
TGSGYGTDFTFITISTVQAEDLAVYFCHQDYSSPFTFGSGTKLEIK

KASQSVNNDVA	YASNRDT	HQDYSSPFT
SEQ: 50	SEQ: 51	SEQ: 60

SEQ ID NO: 61>NP_112178.2 nectin-4 precursor [Homo sapiens]

MPLSLGAEMWGPEAWLLLLLLASFTGRCPAGELETSDVVTVVVLGQDAKLPCFYRGDSGEQ
VGQVAWARVDAGEGAQELALLHSKYGLHVSPAYEGRVEQPPPRNPLDGSVLLRNAVQAD
EGEYECRVSTFPAGSFQARLRRLRVLPPLPSLNPGPALEEGQGLTLAASCTAEGSPAPSVTWD
TEVKGTTSSRSFKHSRSAAVTSEFHLVPSRSMNGQPLTCVVSHPGLLQDQRITHILHVSFLAEA
SVRGLEDQNLWHIGREGAMLKCLSEGQPPPSYNWTRLDGPLPSGVRVDGDTLGFPLTTEHS
GIYVCHVSNEFSSRDSQVTVDVLDPQEDSGKQVDLVSASVVVVGVIALLFCLLVVVVLM
SRYHRRKAQQMTQKYEEELTLTRENSIRRLHSHHTDPRSQPEESVGLRAEGHPDSLKDSSCS
VMSEEPGRSYSTLTTVREIETQTELLSPGSGRAEEEEEDQDEGIKQAMNHFVQENGTLRAKPT
NGIYINGRHLV

SEQ ID NO: 62>XP_005541277.1 PREDICTED: nectin-4 isoform X1 [Macaca fascicularis]

MPLSLGAEMWGPEAWLLLLLLASFTGRCPAGELETSDVVTVVVLGQDAKLPCFYRGDSGEQ
VGQVAWARADAGEGAQELALLHSKYGLHVSPAYEGRVEQPPPRNPLDGSVLLRNAVQAD
EGEYECRVSTFPAGSFQARLRRLRVLPPLPSLNPGPALEEGQGLTLAASCTAEGSPAPSVTWD
TEVKGTTSSRSFKHSRSAAVTSEFHLVPSRSMNGQPLTCVVSHPGLLQDQRITHILHVSFLAEA
SVRGLEDQNLWHVGREGAMLKCLSEGQPPPSYNWTRLDGPLPSGVRVDGDTLGFPLTTEH
SGIYVCHVSNEFSSRDSQVTVDVLDPQEDSGKQVDLVSASVVVVGVIALLFCLLVVVVVL
MSRYHRRKAQQMTQKYEEELTLTRENSIRRLHSHHTDPRSQPEESVGLRAEGHPDSLKDSS
CSVMSEEPGRSYSTLTTVREIETQTELLSPGSGRTEEEEDQDEGIKQAMNHFVQENGTLRAK
PTGNGIYINGRHLV

SEQ ID NO: 63>NP_001102546.1 nectin-4 precursor [Rattus norvegicus]

MPLSLGAEMWGPEAWLLLLFLASFTGRYSAGELETSDLVTVVVLGQDAKLPCFYRGDPDEQV
GQVAWARVDPNEGTRRELALLHSKYGLHVSPAYEDRVEQPPPPRDPLDGSILLRNAVQADEG
EYECRVSTFPAGSFQARMRLRVLPPLPSLNPGPPLLEEGQGLTLAASCTAEGSPAPSVTWDTE
VKGTQSSRSFKHSRSAAVTSEFHLVPSRSMNGQPLTCVVSHPGLLQDQRITHTLQVAFLAEAS
VRGLEDQNLWHVGREGATLKCLSEGQPPPKYNWTRLDGPLPSGVRVKGDTLGFPLTTEHS
GVYVCHVSNELSSRASQVTVEVLDPEDPGKQVDLVSASVVVVGVIALLFCLLVVVVLM
RYHRRKAQQMTQKYEEELTLTRENSIRRLHSHHTDPRSQPEESVGLRAEGHPDSLKDSSCS

FIG. 1 (continued)

VMSEEPGRSYSTLTTVREIETQTELLSPGSGRTEEDDQDEGIKQAMNHFVQENGTLRAKPT
NGIYINGRGHLV

SEQ ID NO: 64>NP_082169.2 nectin-4 isoform a precursor [Mus musculus]

MPLSLGAEMWGPEAWLRLFLASFTGQYSAGELETSDVVTVVLGQDAKLPCFYRGDPDEQV
GQVAWARVDPNEGIRELALLHSKYGLHVNPAVEDRVEQPPPPRDPLDGSVLLRNAVQADEG
EYECRVSTFPAGSFQARMRLRVLVPPLPSLNPGPPLLEEGQGLTLAASCTAEGSPAPSVTWDE
VKGTQSSRSFTHPRSAAVTSEFHLVPSRSMNGQPLTCVVSHPGLLQDRRITHTLQVAFLAEAS
VRGLEDQNLWQVGREGATLKCLSEGQPPPKYNWTRLDGPLPSGVRVKGDTLGFPLTTEHS
GVYVCHVSNELSSRDSQVTVEVLDPEDPGKQVDLVSASVIIVGVIAALLFCLLVVVVVLMSR
YHRRKAQQMTQKYEEELTLTRENSIRRLHSHSDPRSQPEESVGLRAEGHPDSLKDNSSCSV
MSEEPGRSYSTLTTVREIETQTELLSPGSGRTEEDDDQDEGIKQAMNHFVQENGTLRAKPTG
NGIYINGRGHLV

SEQ ID NO: 65>NP_002846.3 nectin-1 isoform 1 precursor [Homo sapiens]

MARMGLAGAAGRWWGLALGLTAFPLPGVHSQVVQVNDSEMYGFIGTDVVLHCSFANPLPSV
KITQVTWQKSTNGSKQNVAIYNPSMGVSVLAPYRERVEFLRPSFTDGTIRLSRLELEDEGVYI
CEFATFPTGNRESQLNLTVMAKPTNWIEGTQAVLRAKKGQDDKVLVATCTSANGKPPSVVS
WETRLKGEAEYQEIRNPNGTVTVISRYRLVPSREAHQQSLACIVNYHMDRFKESLTLNVQYE
PEVTIEGFDGNWYLQRMDVKLTCKADANPPATEYHWTTLNGSLPKGVEAQNRITLFFKGPI
YSLAGTYICEATNPIGTRSGQVEVNITEFPYTPSPPEHGRRAGPVPTAIGGVAGSILLVLIVVG
GIVVALRRRRHTFKGDYSTKKHVYNGGYSKAGIPQHPPMAQNLQYPDDSDDEKKAGPLG
GSSYEEEEEEEEGGGGGERKVGGPHPKYDEDAKRPYFTVDEAEARQDGYGDRTLGYQYDPE
QLDLAENMVSQNDGSFISKKEWYV

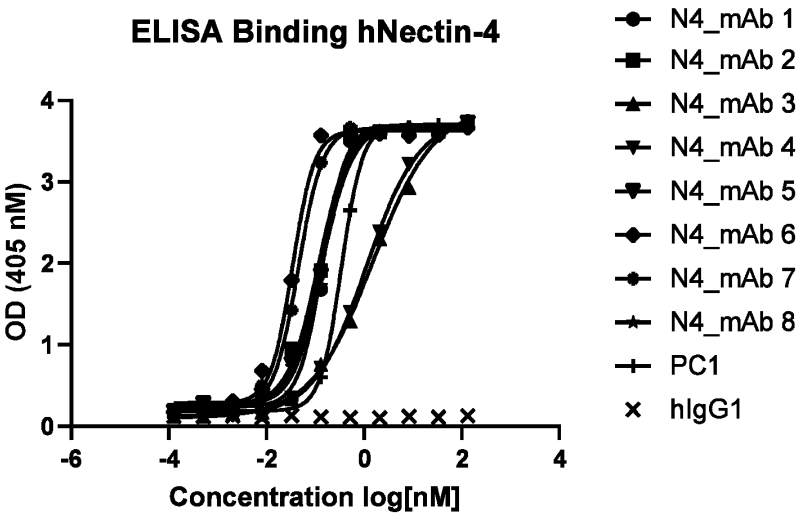


FIG. 2

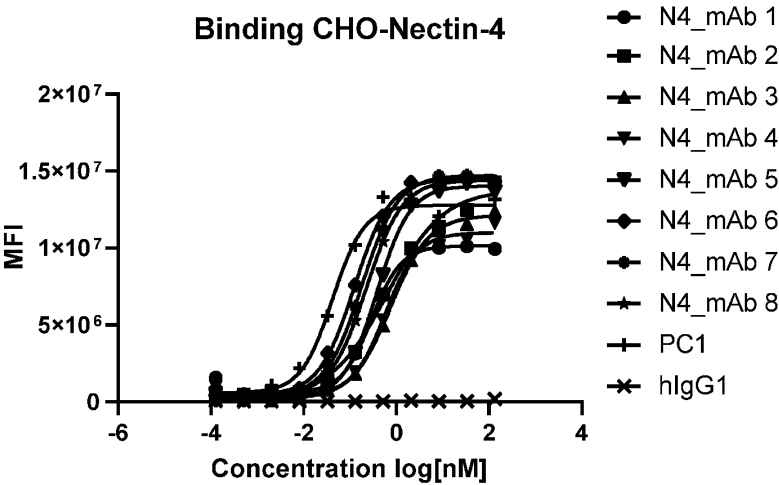


FIG. 3A

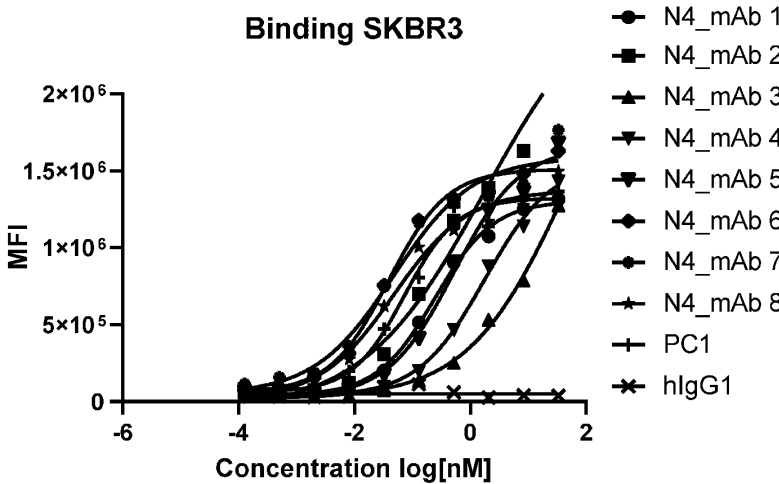


FIG. 3B

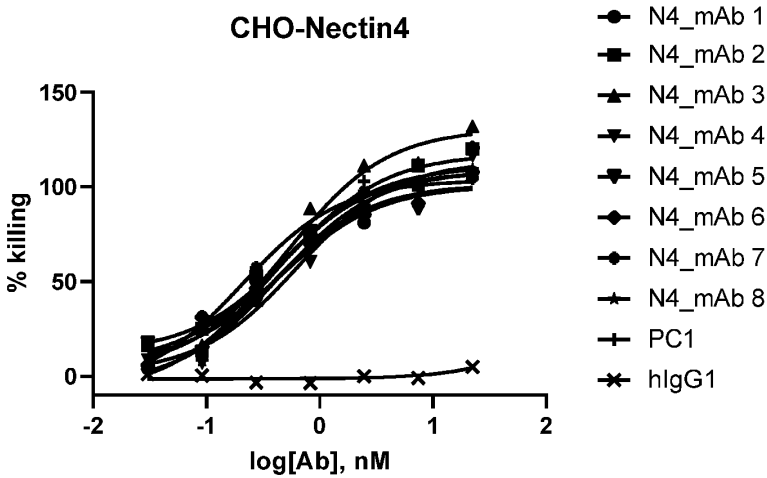


FIG. 4A

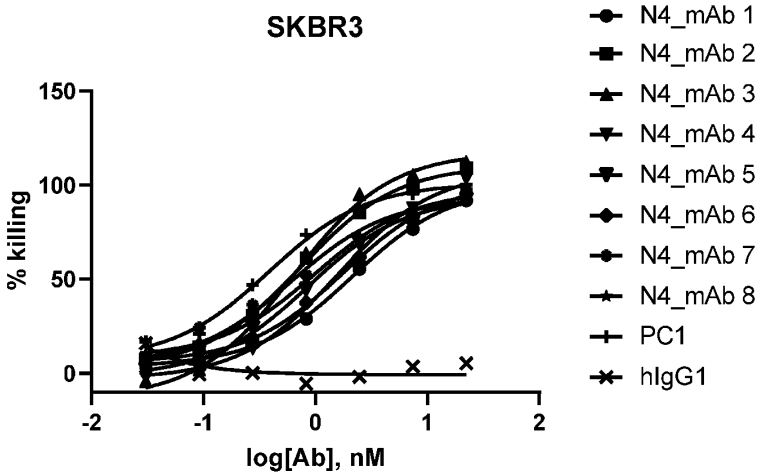


FIG. 4B

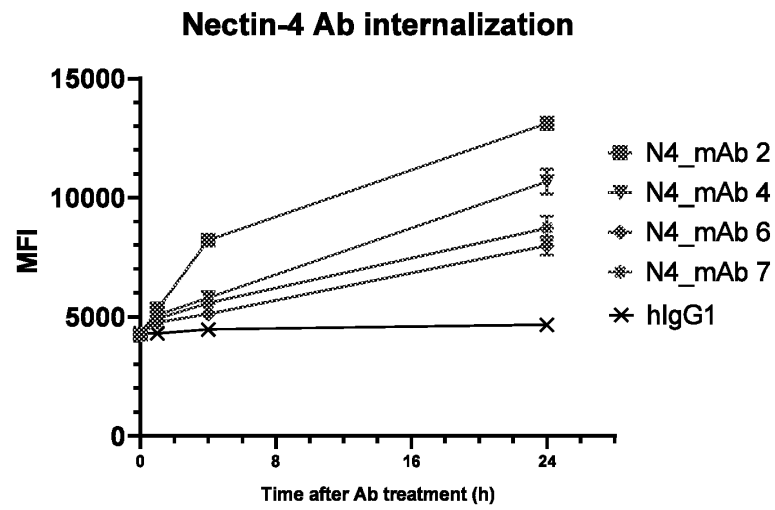


FIG. 5A

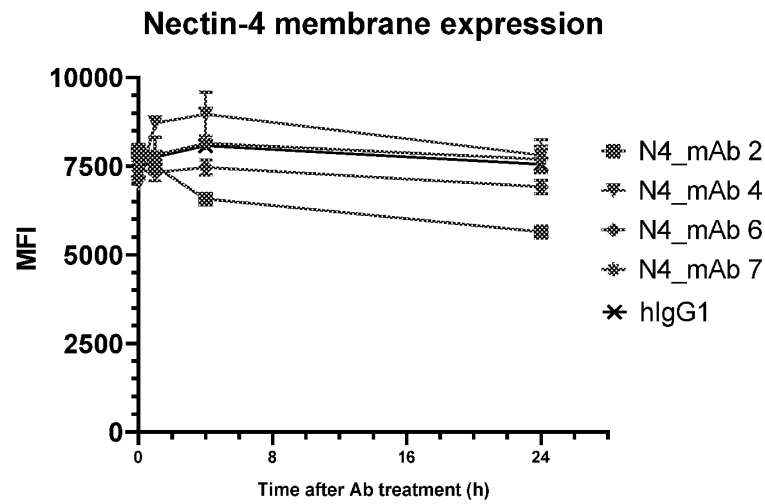


FIG. 5B

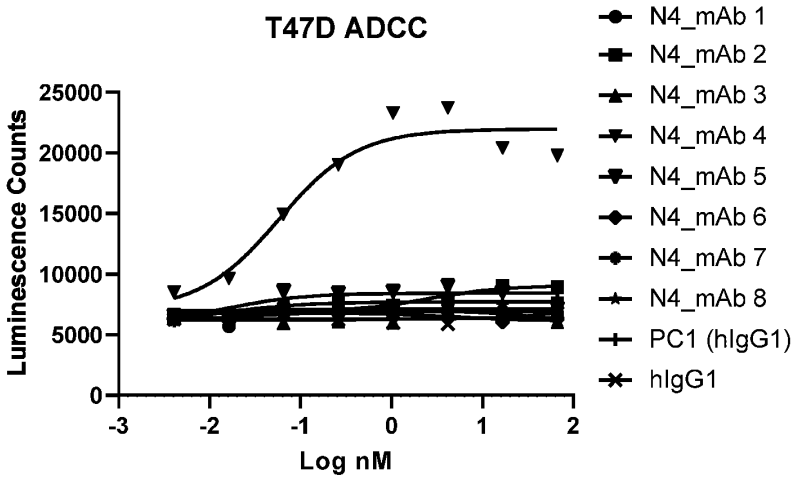


FIG. 6A

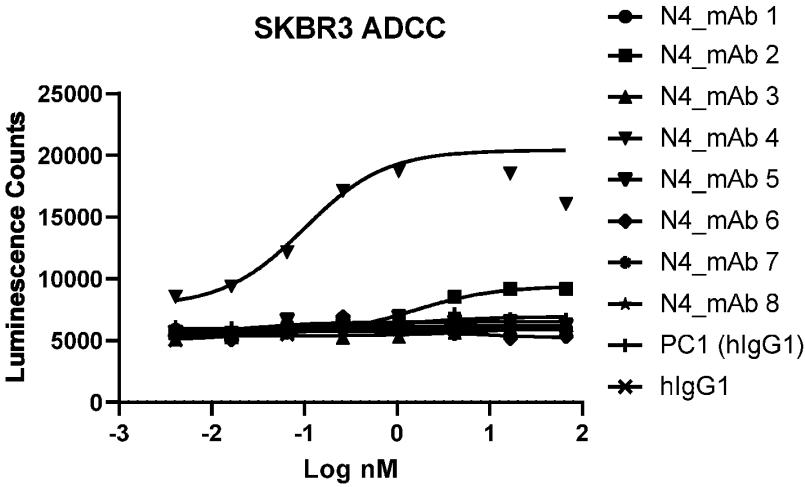


FIG. 6B