

1	MEPLRLILLFVTELSGAHNTTVFQGVAGQSLQVSCPYSMKHWRKAWCRQLGEKGPC	60
	+ PL LL+LLF + + V Q VAGQ+L V C Y +K WC++ C	
6	LHPLLLLLLLFPGSQAQS-KAQVLQSVAGQTLTVRCQYPPTGSLYEKKGWCKEASAL-VC	63
61	QRVVSTHNLWLLSFLRRWNGSTAITDDTLGTLTITLRNLQPHDAGLYQCQSLHGSEADT	120
	R+V++ ++ W I DD G T+T+ +L+ D+G Y C+ S+	
64	IRLVTSSKPRITMA-----WTSRFTIWDDPDAGFFTVTMTDLREEDSGHYWCRIYRPSDNSV	119
121	LRKVLVEVLADP 132 <u>TREM-2 Human</u>	
	+ V ++ P	
120	SKSVRFYLVVSP 131 NCTR2_HUMAN	

FIG. 1A

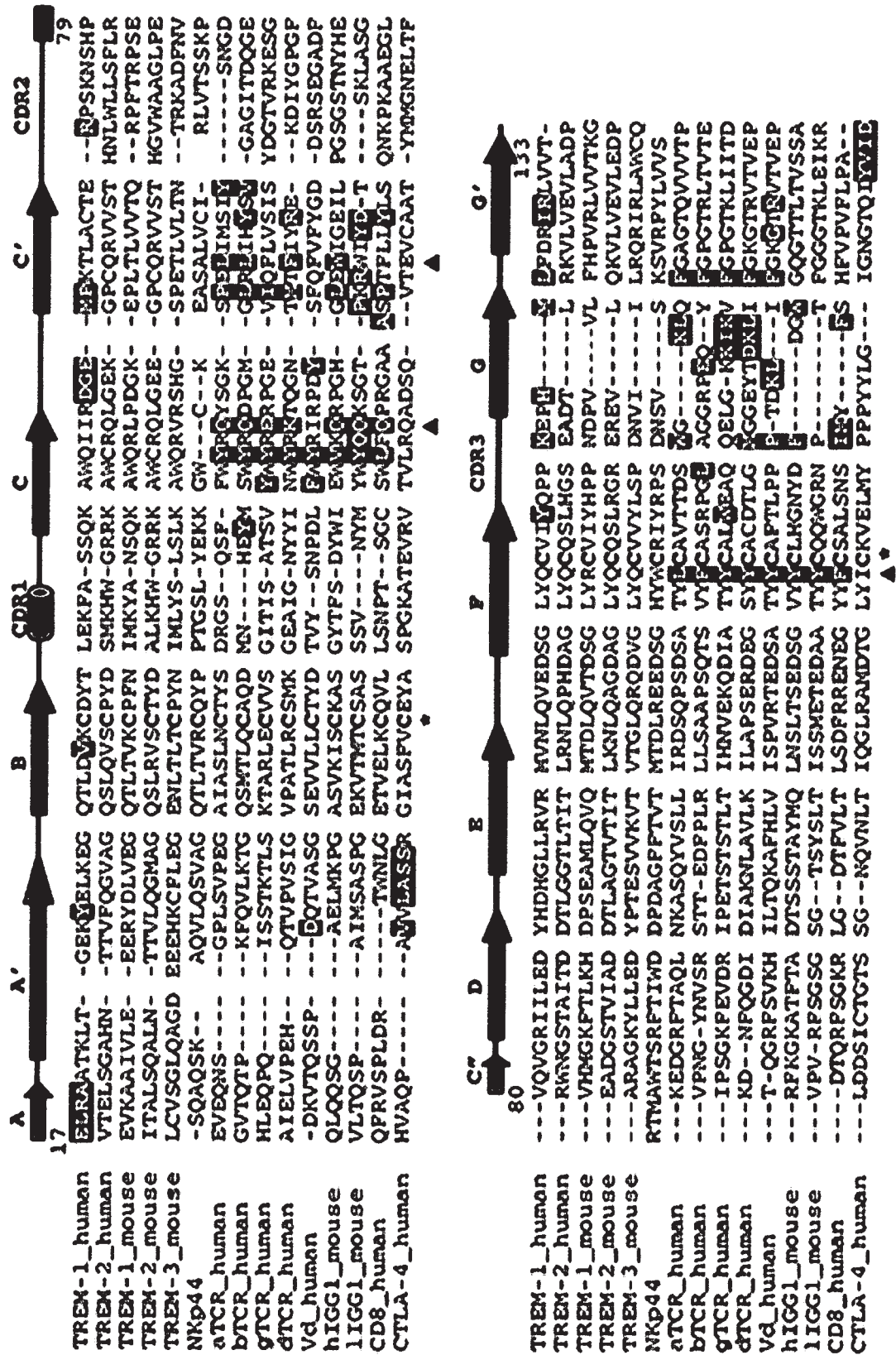


FIG. 1B

sp|Q9NZC2|TREM2_HUMAN Triggering receptor expressed on myeloid cells 2 OS=Homo sapiens GN=TREM2 PE=1 SV=1
Sequence ID: lc|j35715 Length: 230 Number of Matches: 1
Range 1: 6 to 110

Score	Expect	Method	Identities	Positives	Gaps	Frame
42.7 bits(99) 1e-09() Compositional matrix adjust. 34/107(32%) 49/107(45%) 4/107(3%)						
Features:						
TREM1	9	LLWMLFVSELRAATKLTTEEKYELKEGOTLDVKCDYTLKFASSQKAW--QIIRDGENPKT				66
		LL +LPV+BL A T ++ GQ+L V C Y K +KAN Q+ G +				
TREM2	6	LLILLFVTELSGAHNTT--VFQGVAGQSLQVSCPYDSNKHWRKRCRQLGEKGPCQRV				63
TREM1	67	LACTERPSKNSHPVQVGRIILEDYHDHGLLRVRMVNLQVEDSGLYQC				113
		++ + G + D G L + + NLQ D+GLYQC				
TREM2	64	VSTHNLWLLSFLRRWNGSTAITDDTLGGTTLTITLRNLQPHDAGLYQC				110

FIG. 2A

Ab21
 EVQLVQSGAEVKKPGESLKISCKGSGYSFTTYWIGWVRQMPGKGLEWMGIHPGDSDTTRYSPSQGQVTISADKSISTAYLQWSSLKASDTAMYYC
ARAGHYDGGHLGMDVWGQGTTVTVSS (SEQ ID NO:414)

Ab52
 QVQLVQSGAEVKKPGASVKVSCKASGYTFTSYIIHWVRQAPGQGLEWMGIINPSGGSTSYAOKFOGRVTMTRDTSTSTVYMELSSLRSEDTAVYY
CAREADDSSGYPLGLDVWGQGTMVTVSS (SEQ ID NO:415)

FIG. 2B

Ab21
 EIVMTQSPGTLSPGERATLSCRASQSVSSSYLAWYQQKPGQAPRLLIYGASNRAIGIPDRFSGSGGTDFTLTISRLEPEDFAVYYCQQDDSA~~PYTF~~
 GGGTKVEIK (SEQ ID NO:416)

Ab52
 EIVMTQSPATLSVSPGERATLSCRASQSVSSNLAWYQQKPGQAPRLLIYGASTRATGIPARFSGSGSGTEFTLTISLQSEDFAVYYCQQVNSLPPTFG
 GGGTKVEIK (SEQ ID NO:417)

FIG. 2C

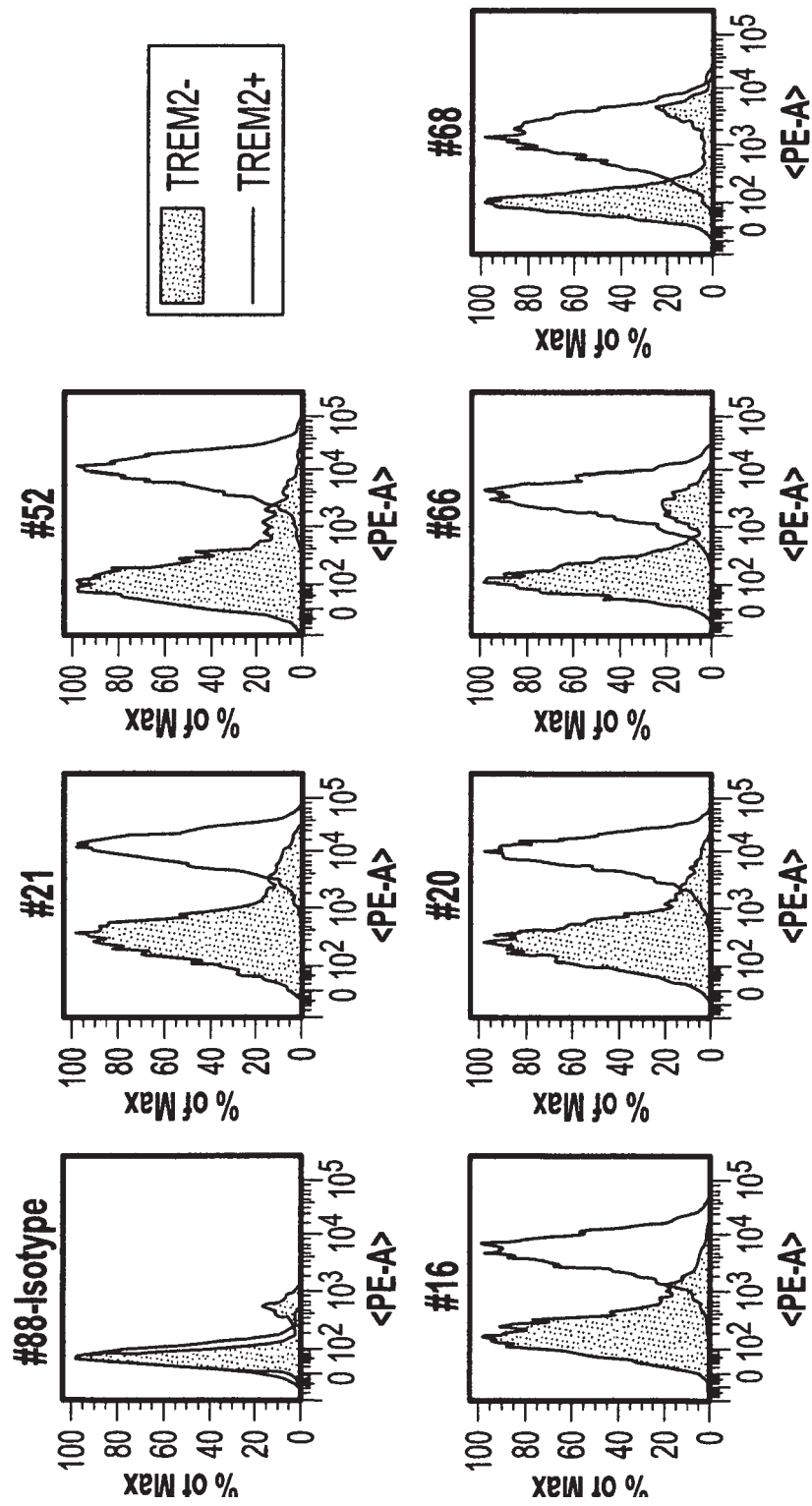


FIG. 3A

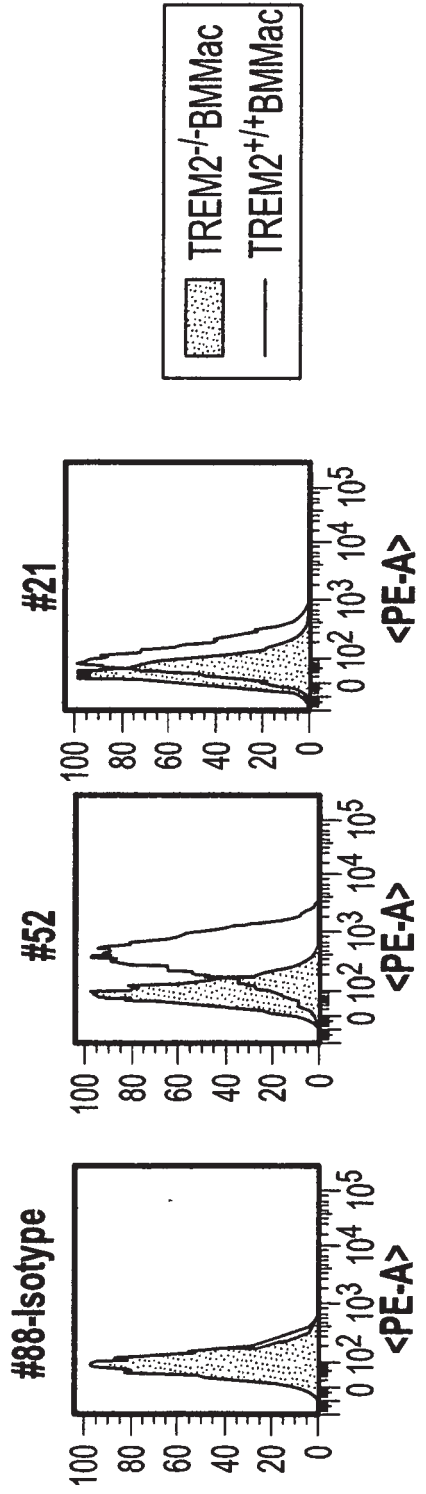


FIG. 3B

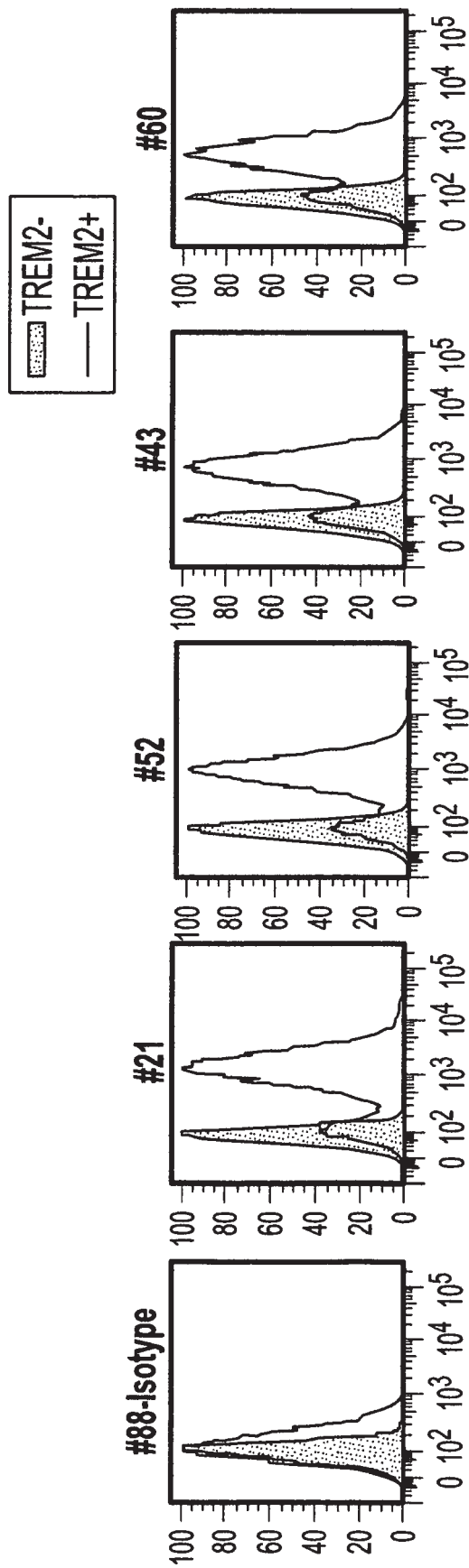


FIG. 4A

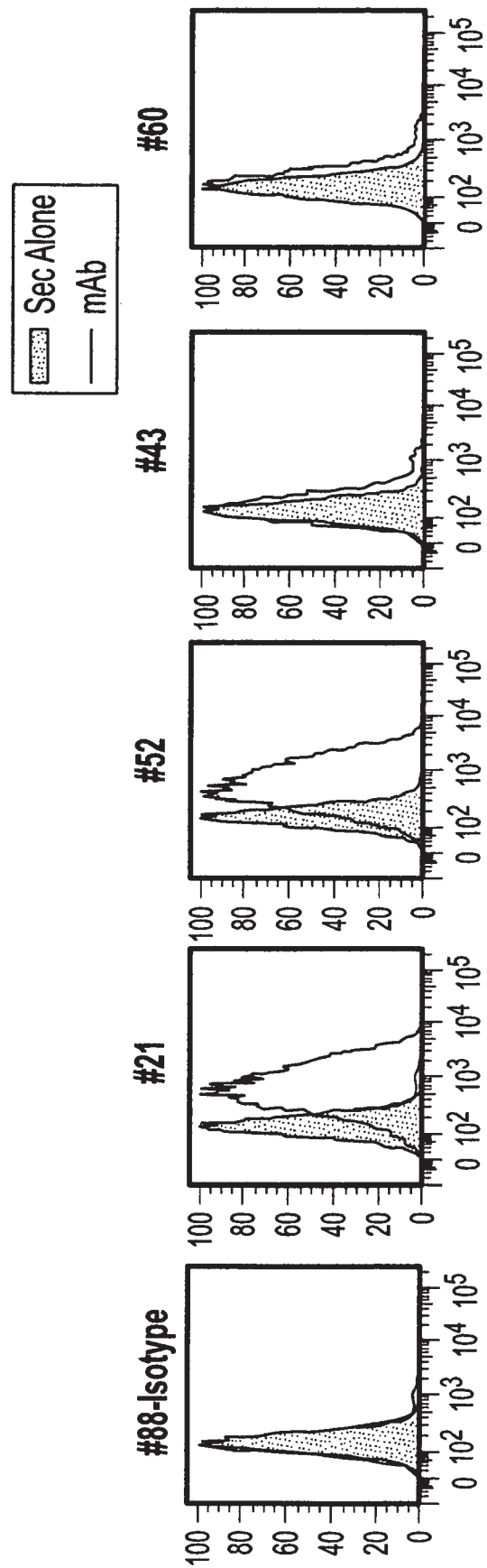


FIG. 4B

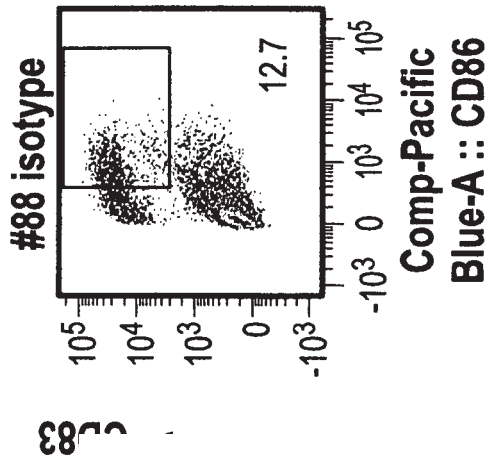
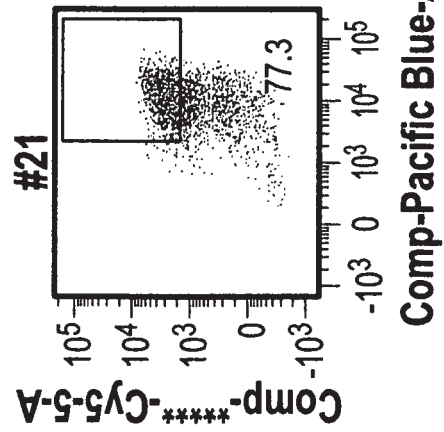
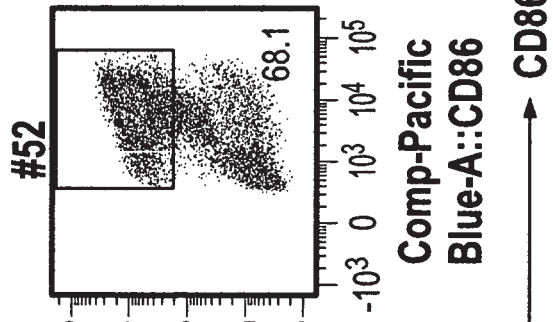


FIG. 5A

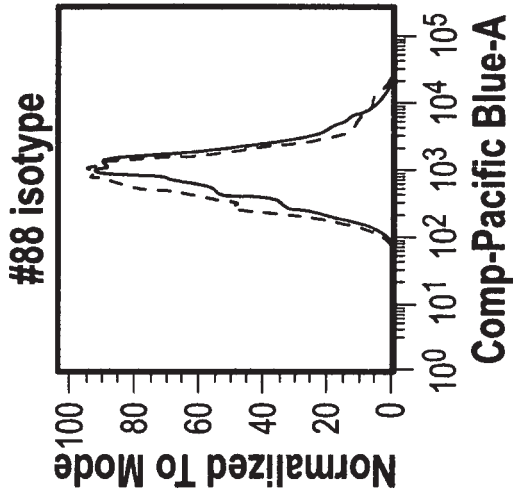
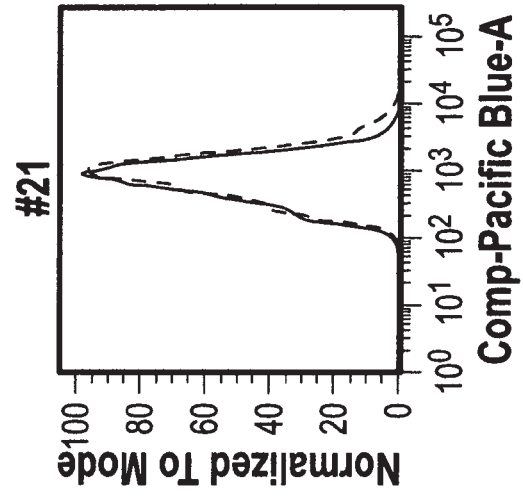
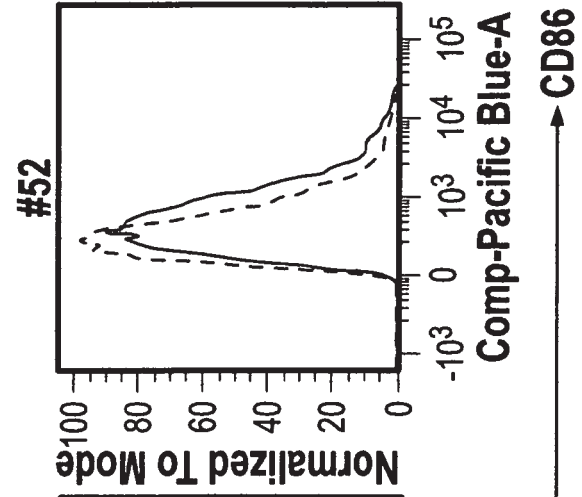


FIG. 5B

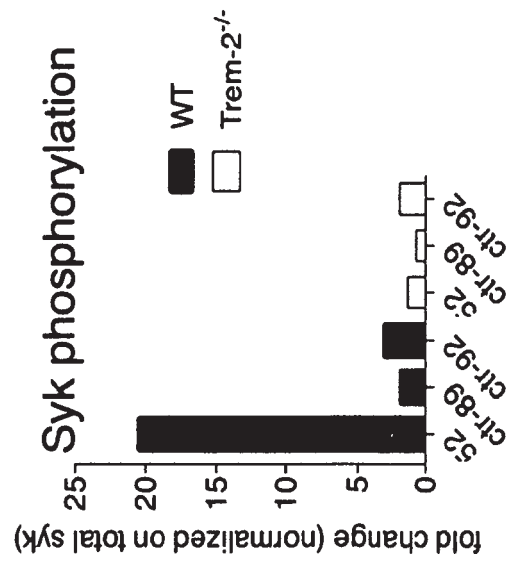
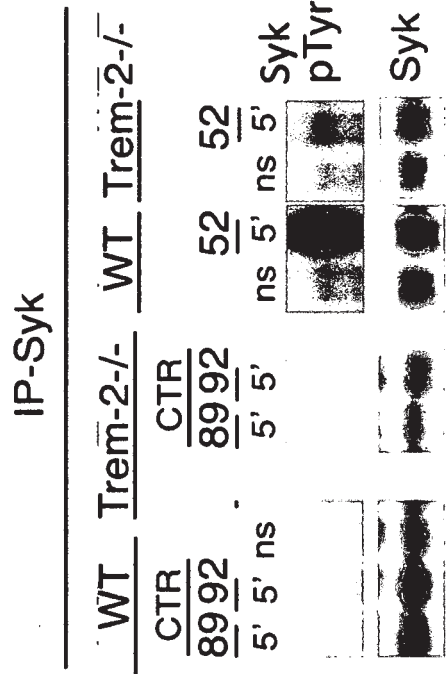
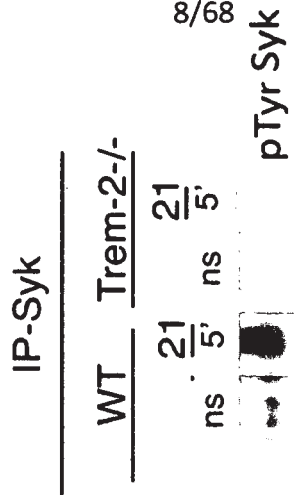


FIG. 6A

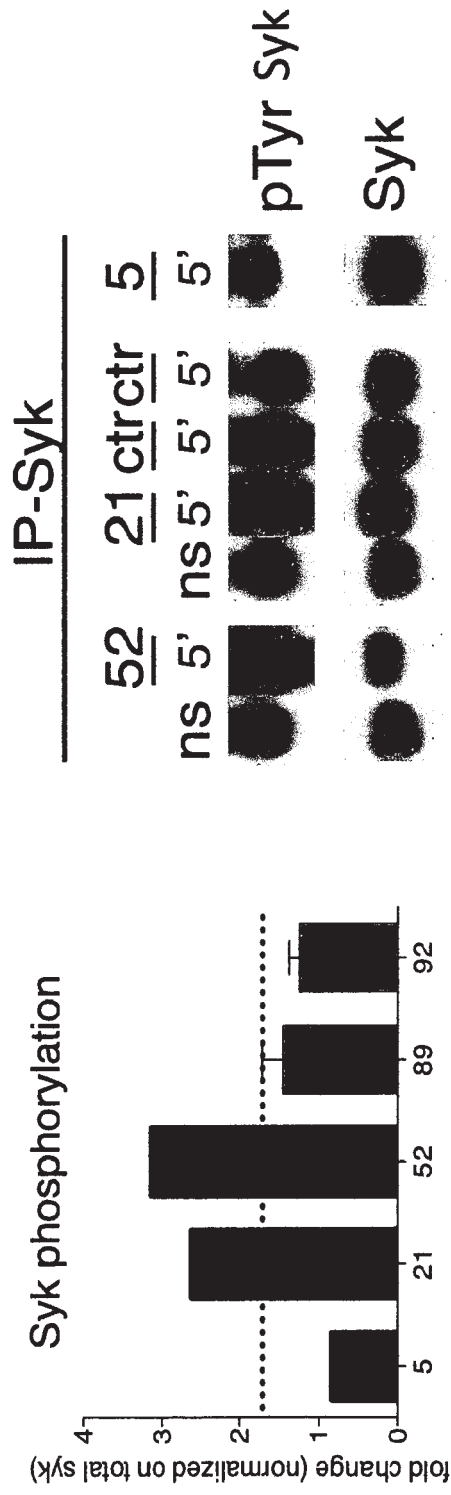


FIG. 6B



FIG. 7A

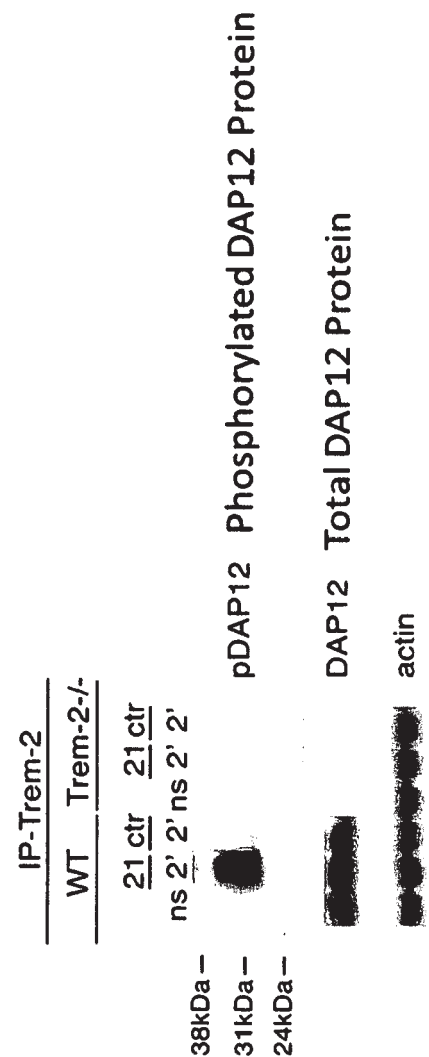


FIG. 7B

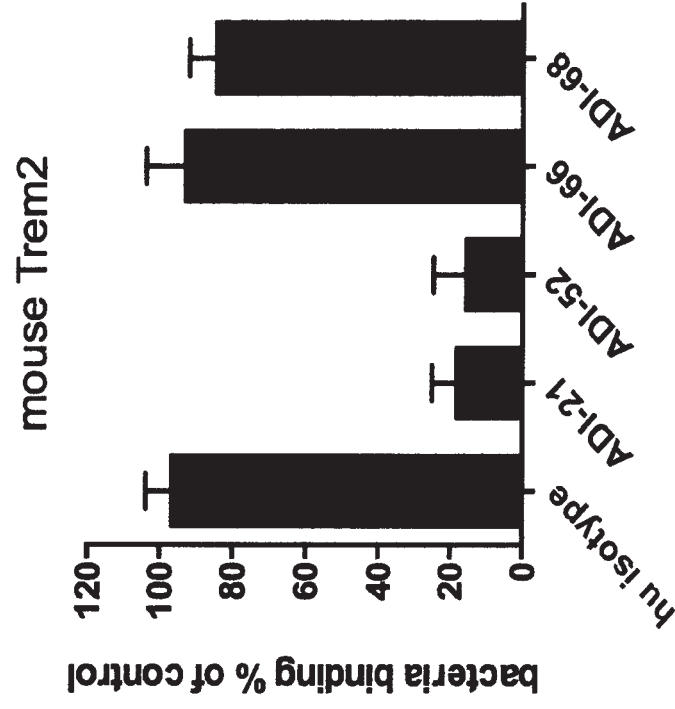
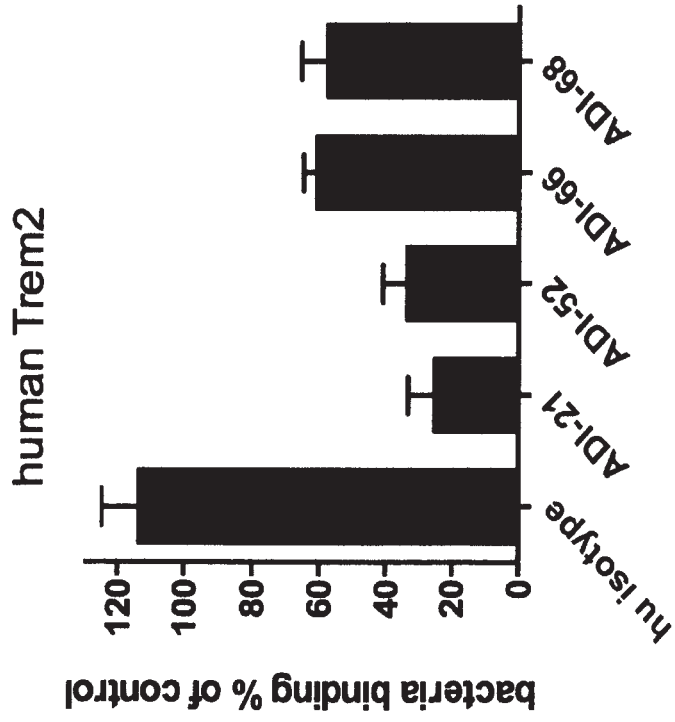


FIG. 8

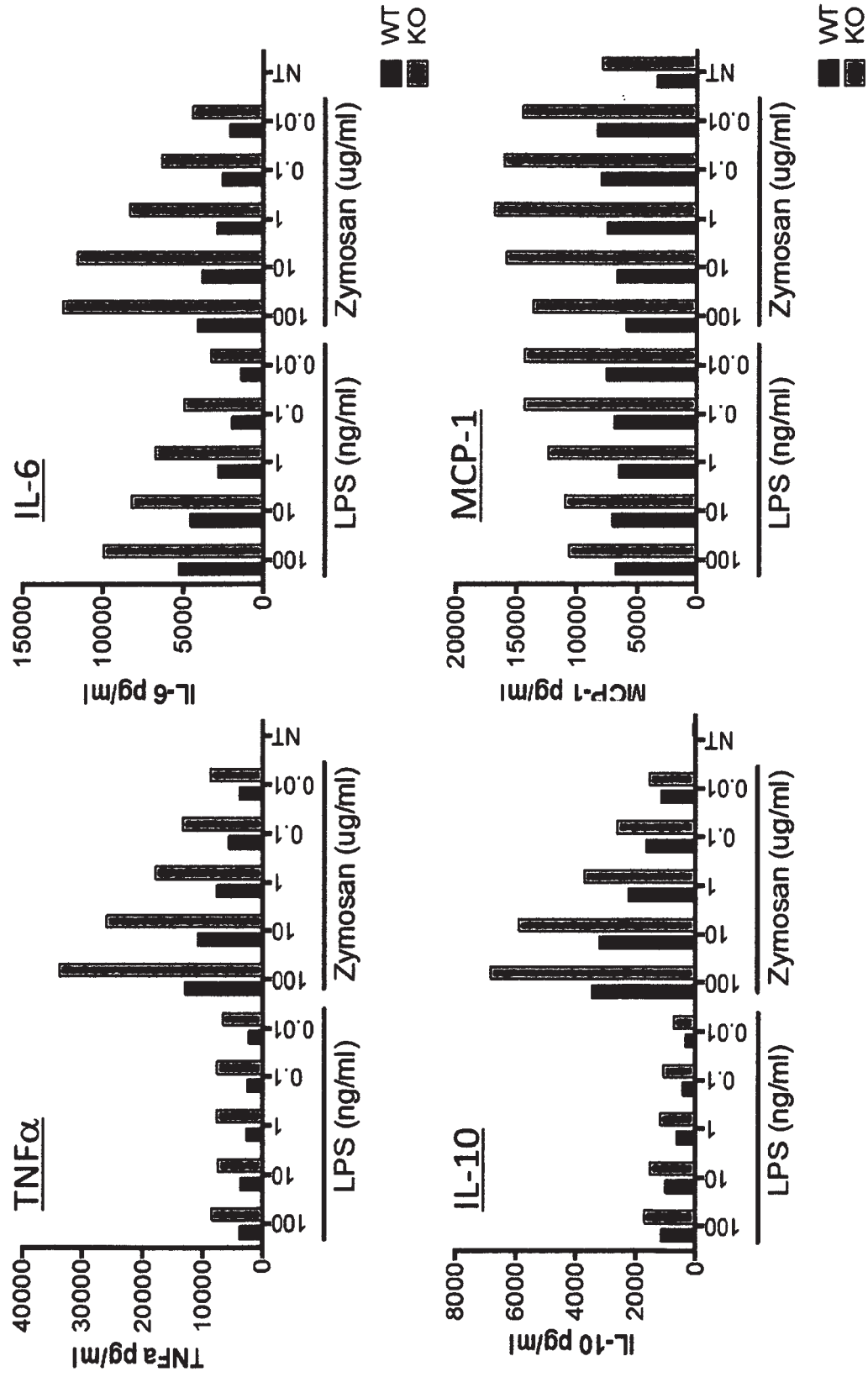


FIG. 9A

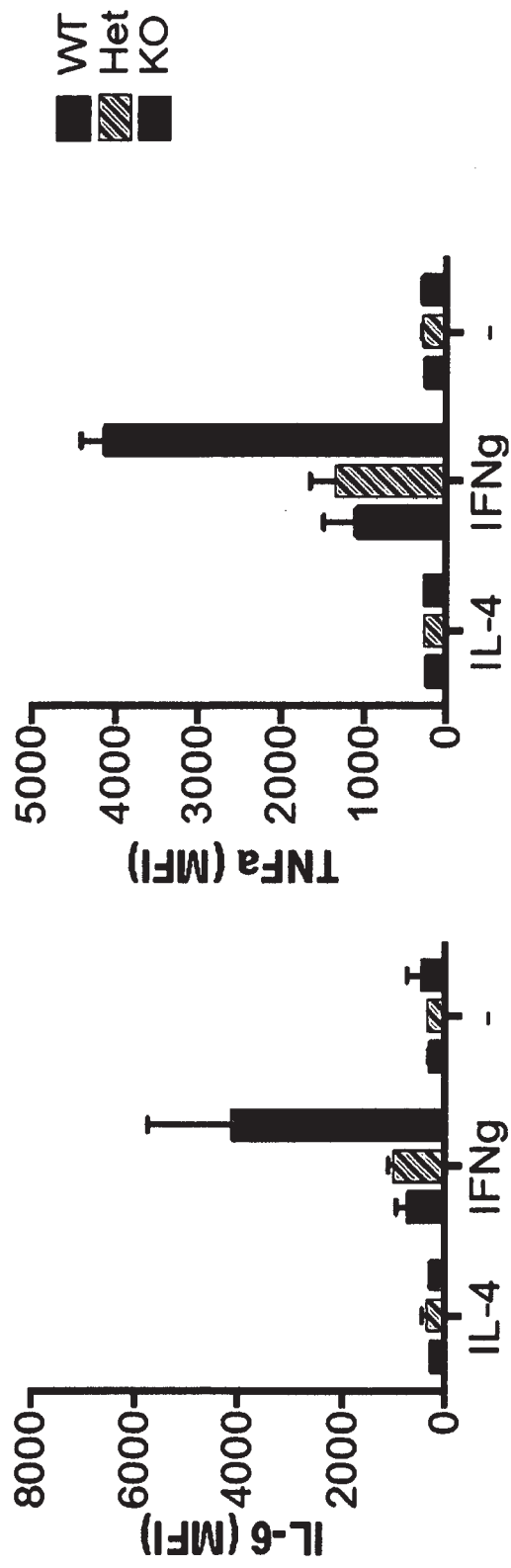
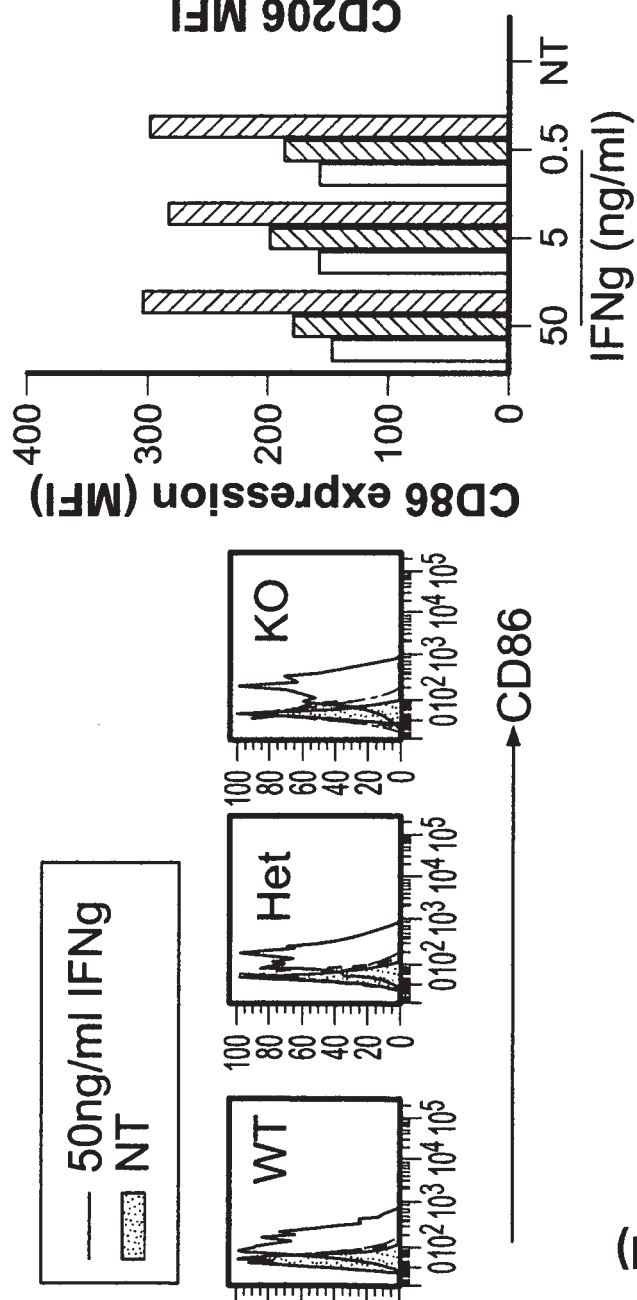
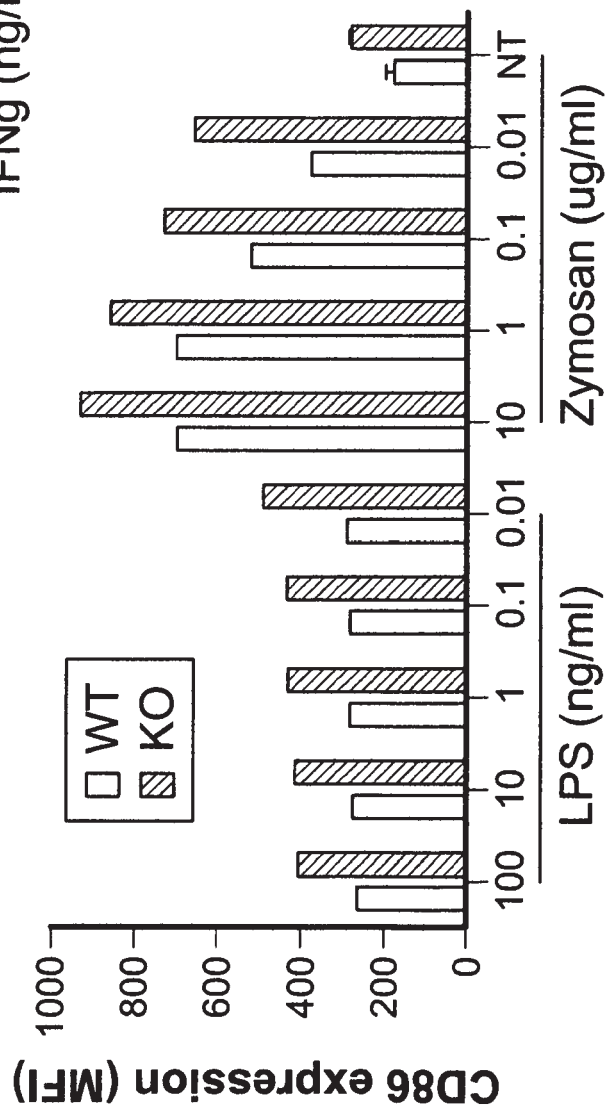


FIG. 9B



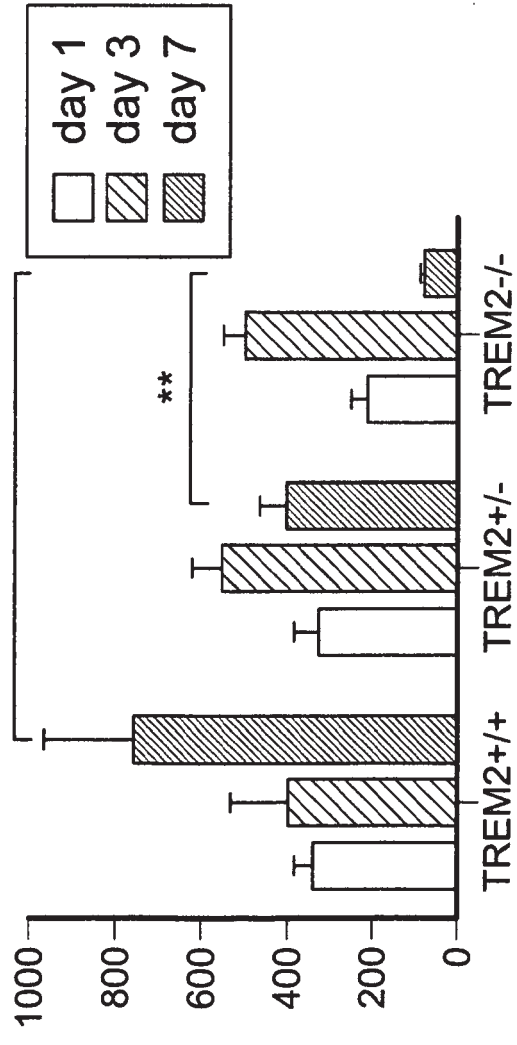


FIG. 11A

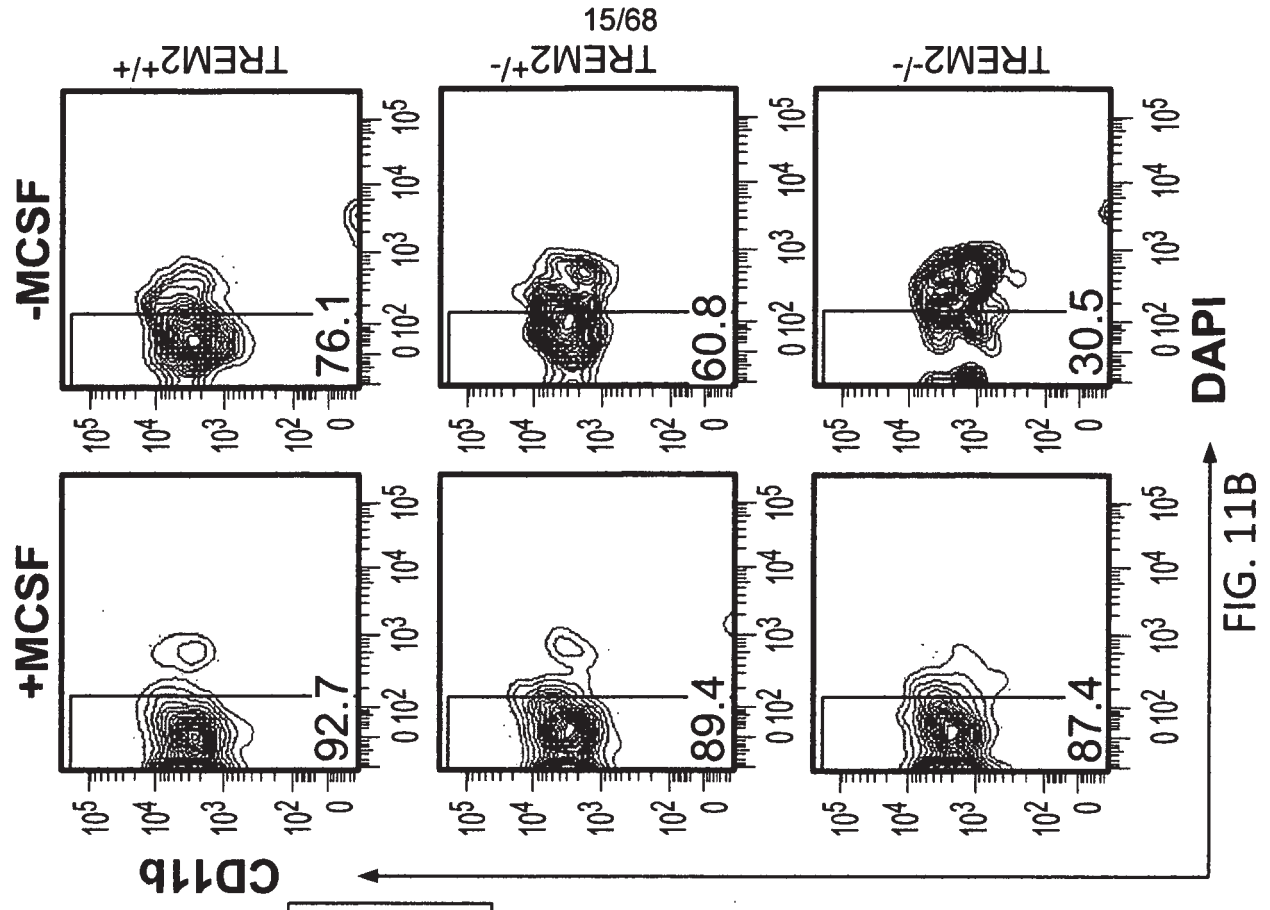


FIG. 11B

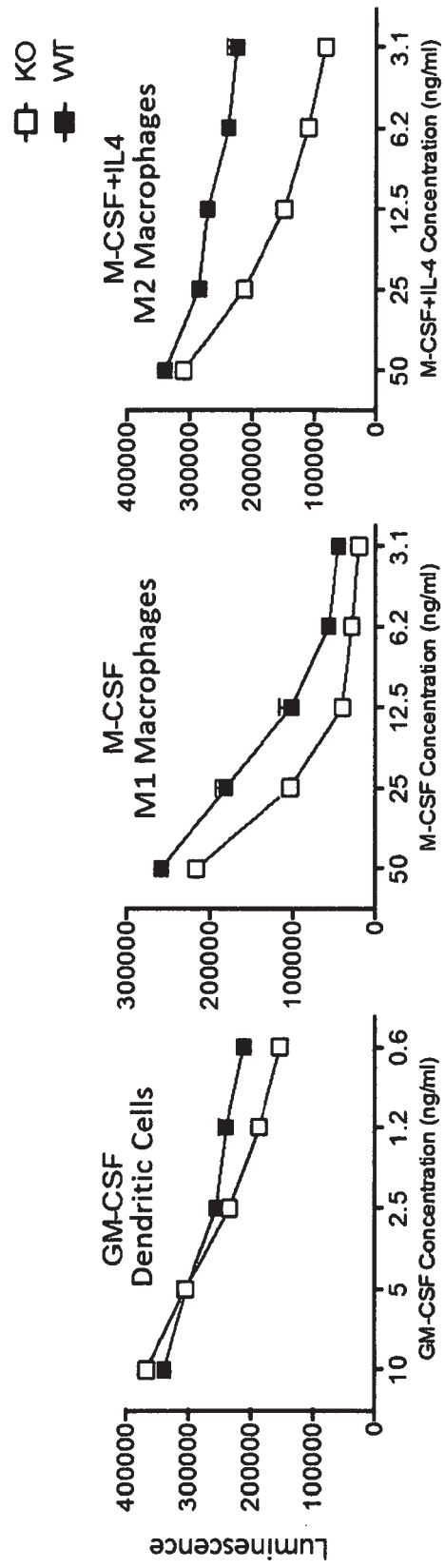


FIG. 11C

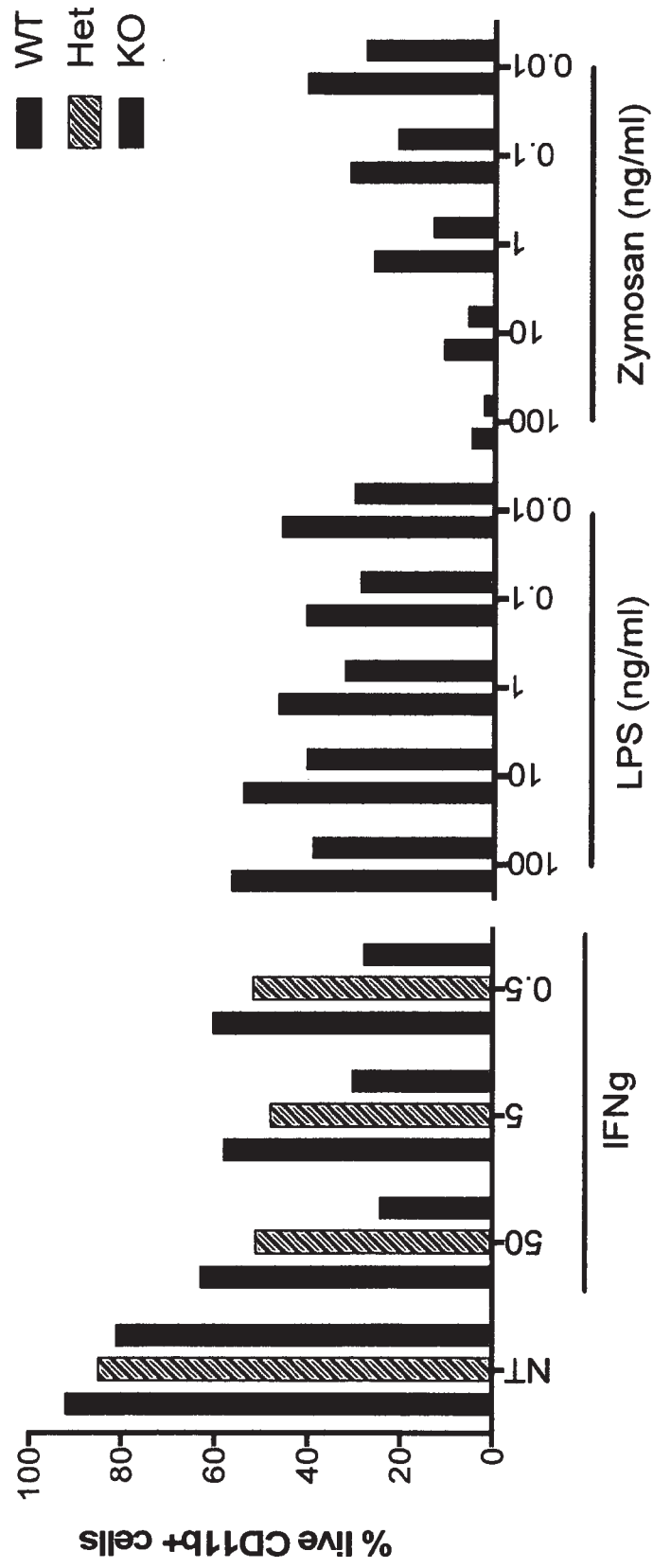


FIG. 11D



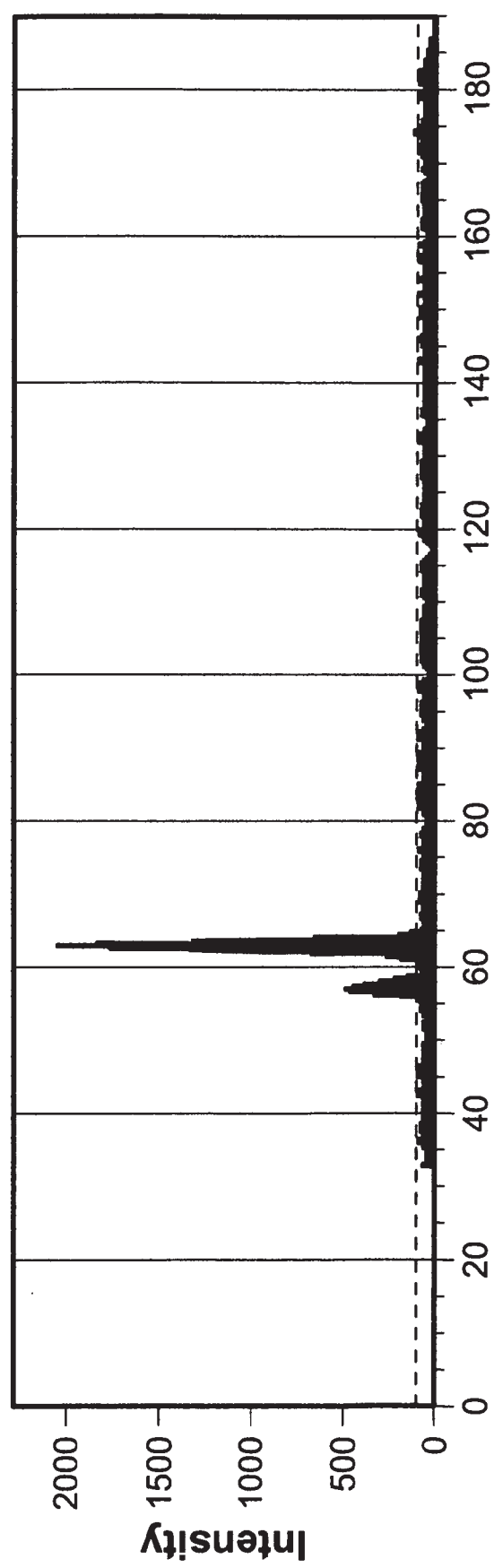


FIG. 13

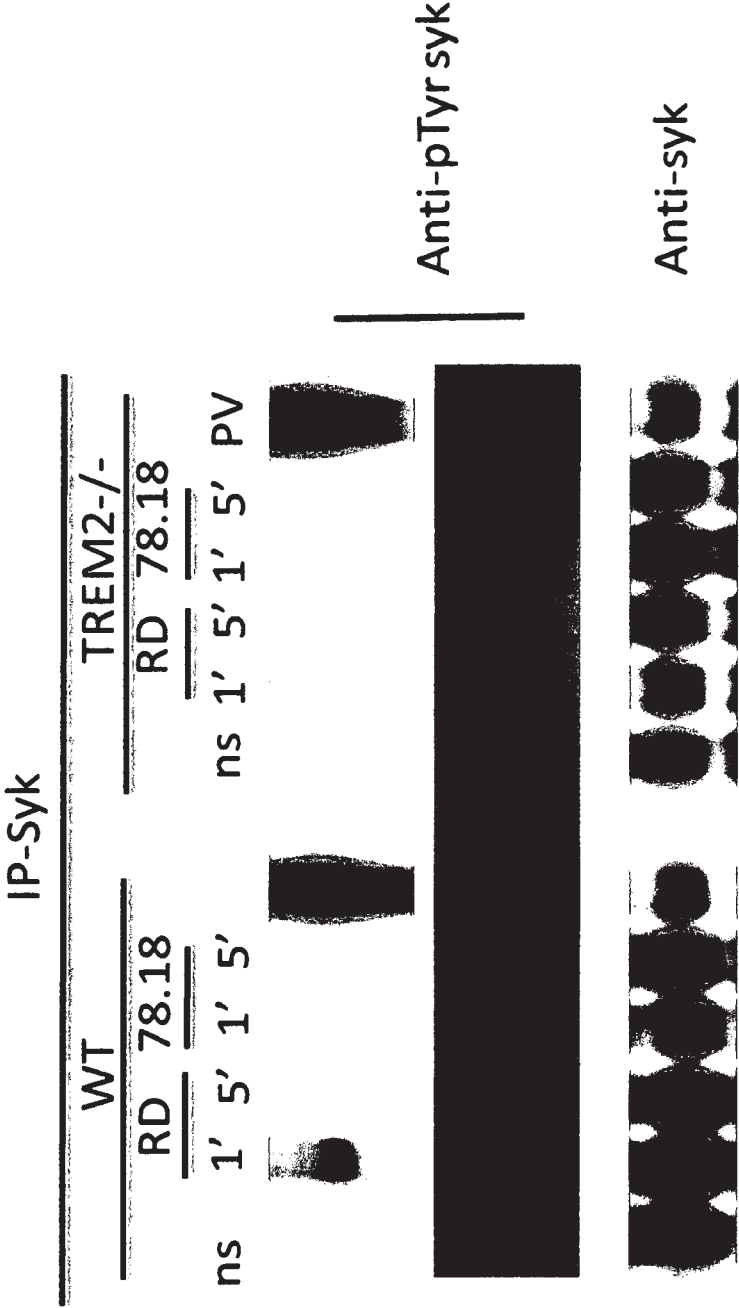


FIG. 14

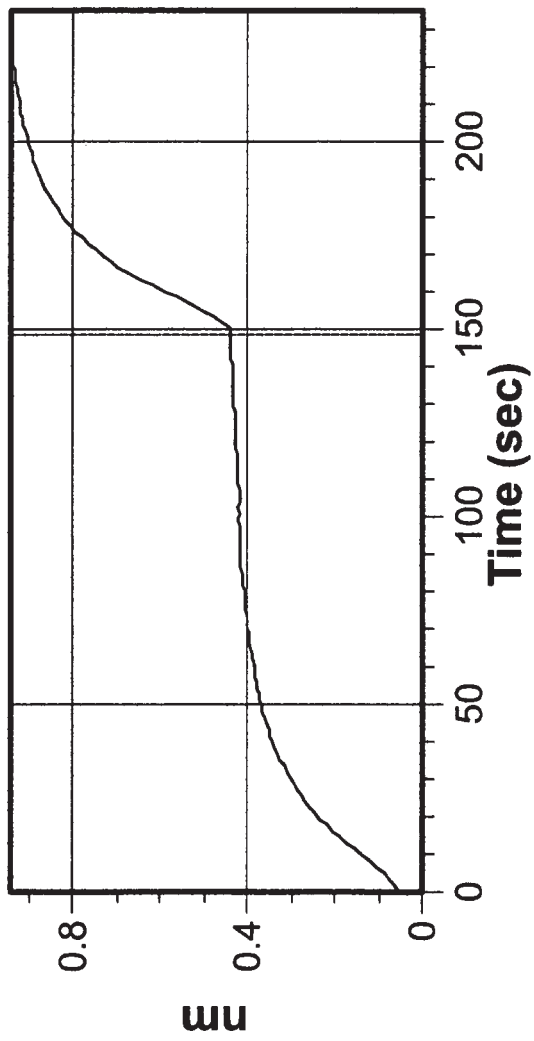


FIG. 15A

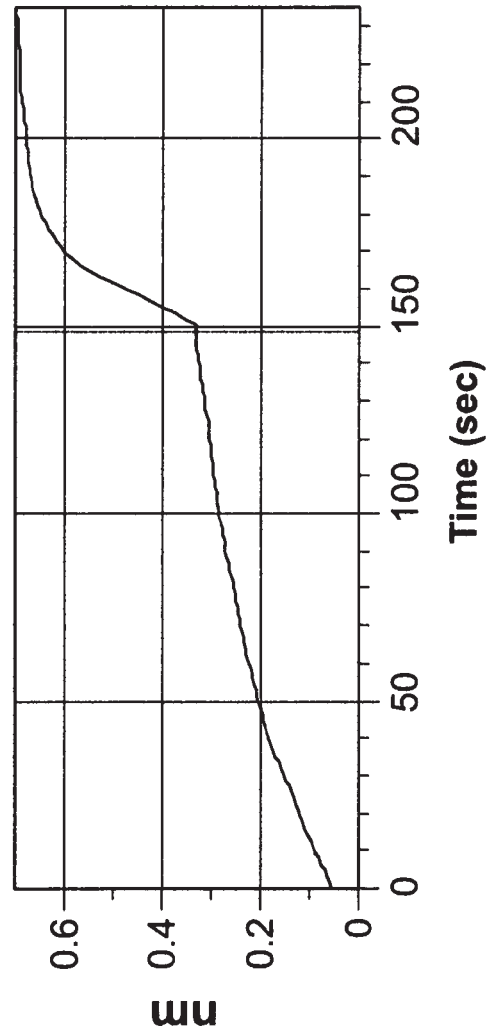


FIG. 15B

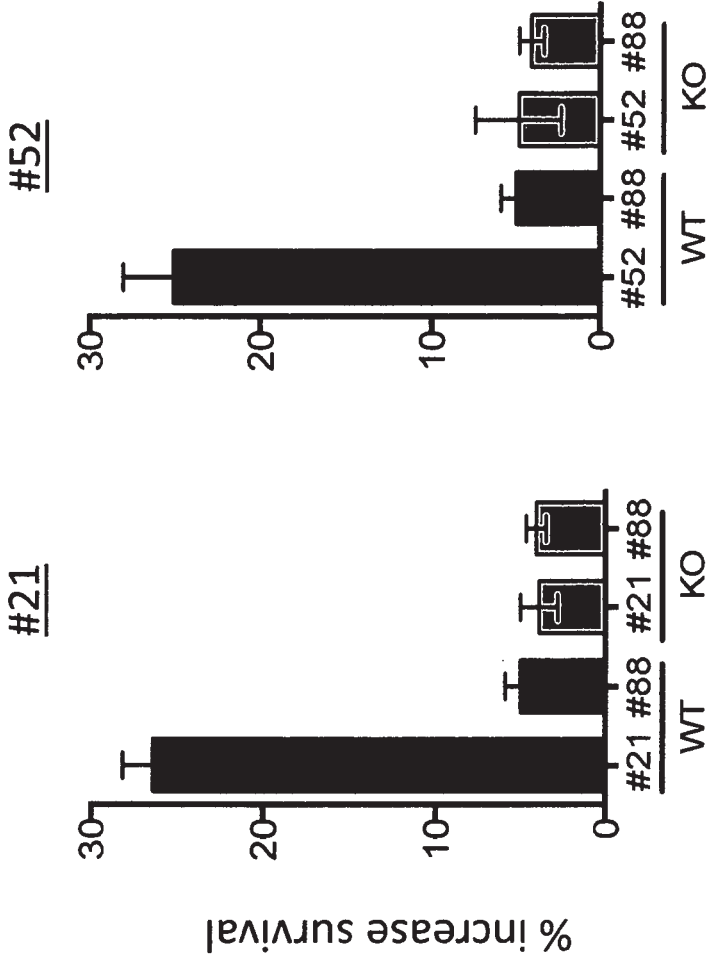


FIG. 16

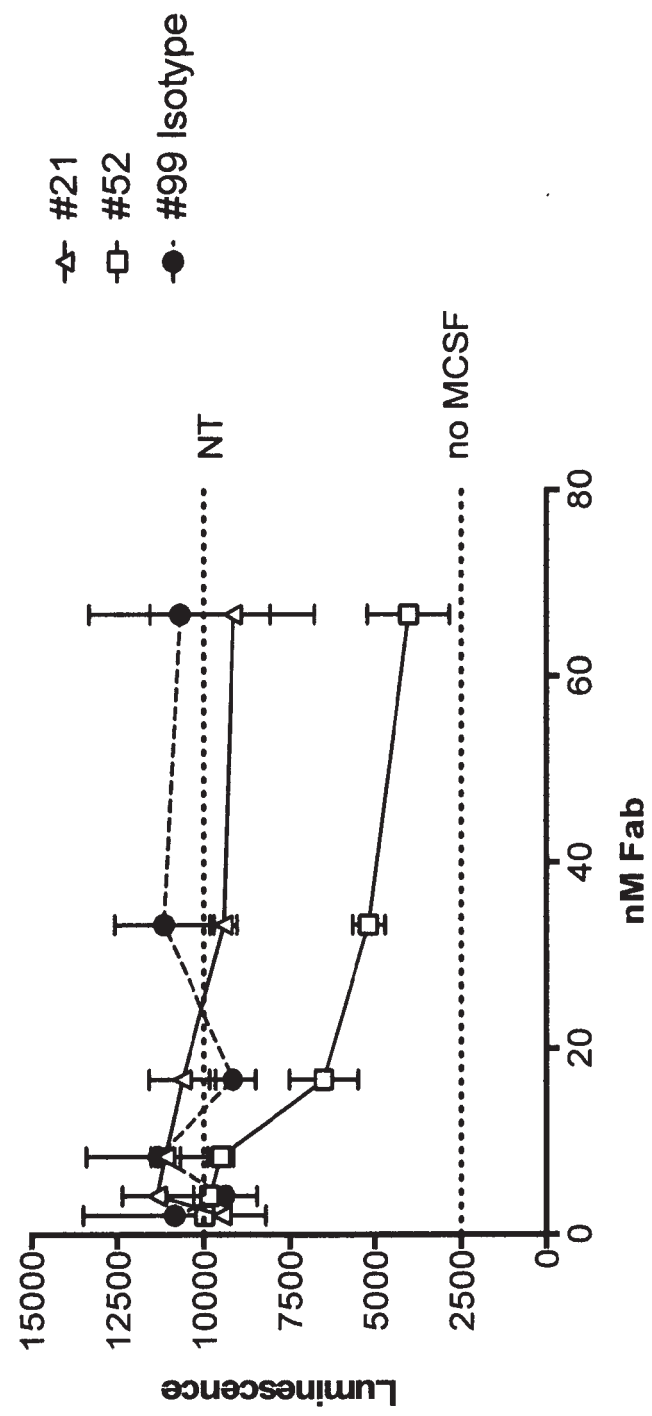
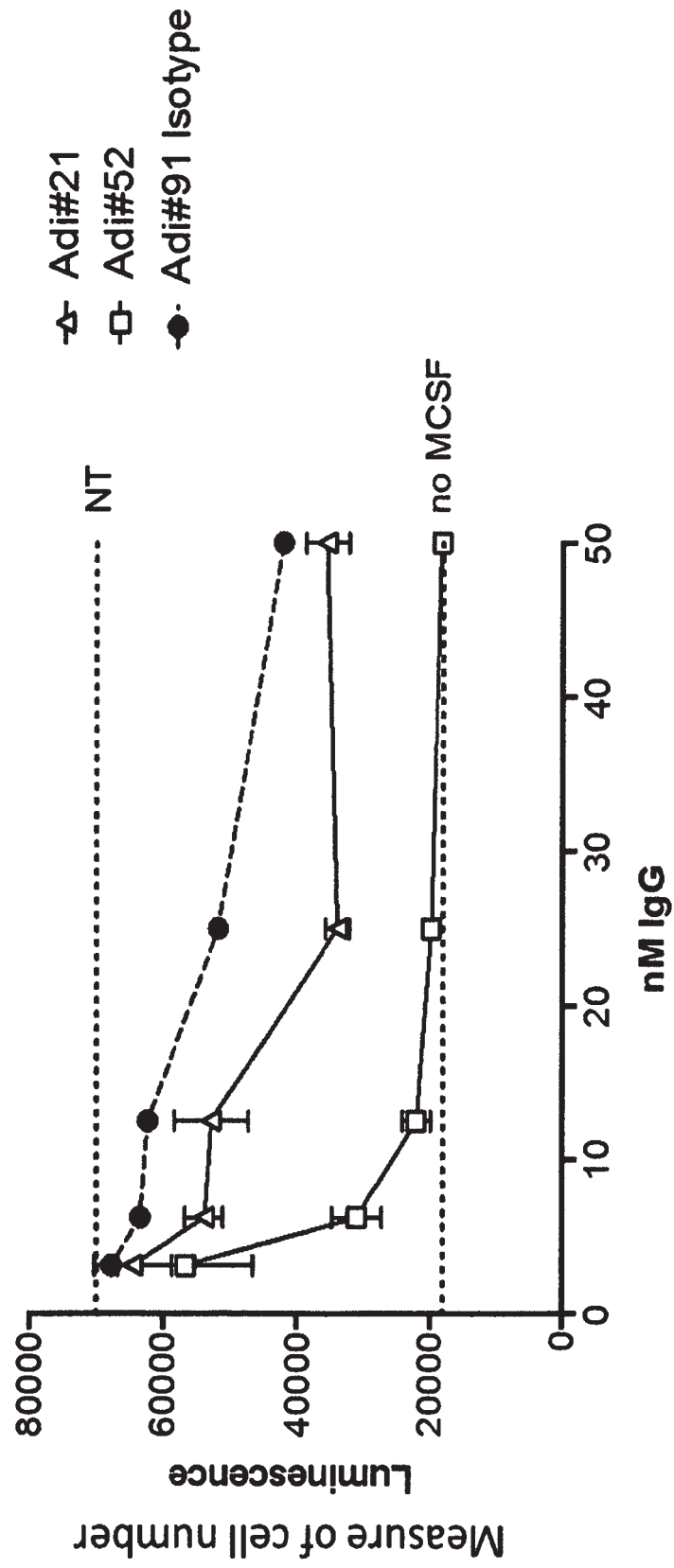


FIG. 17A



Full length antibodies in solution

FIG. 17B

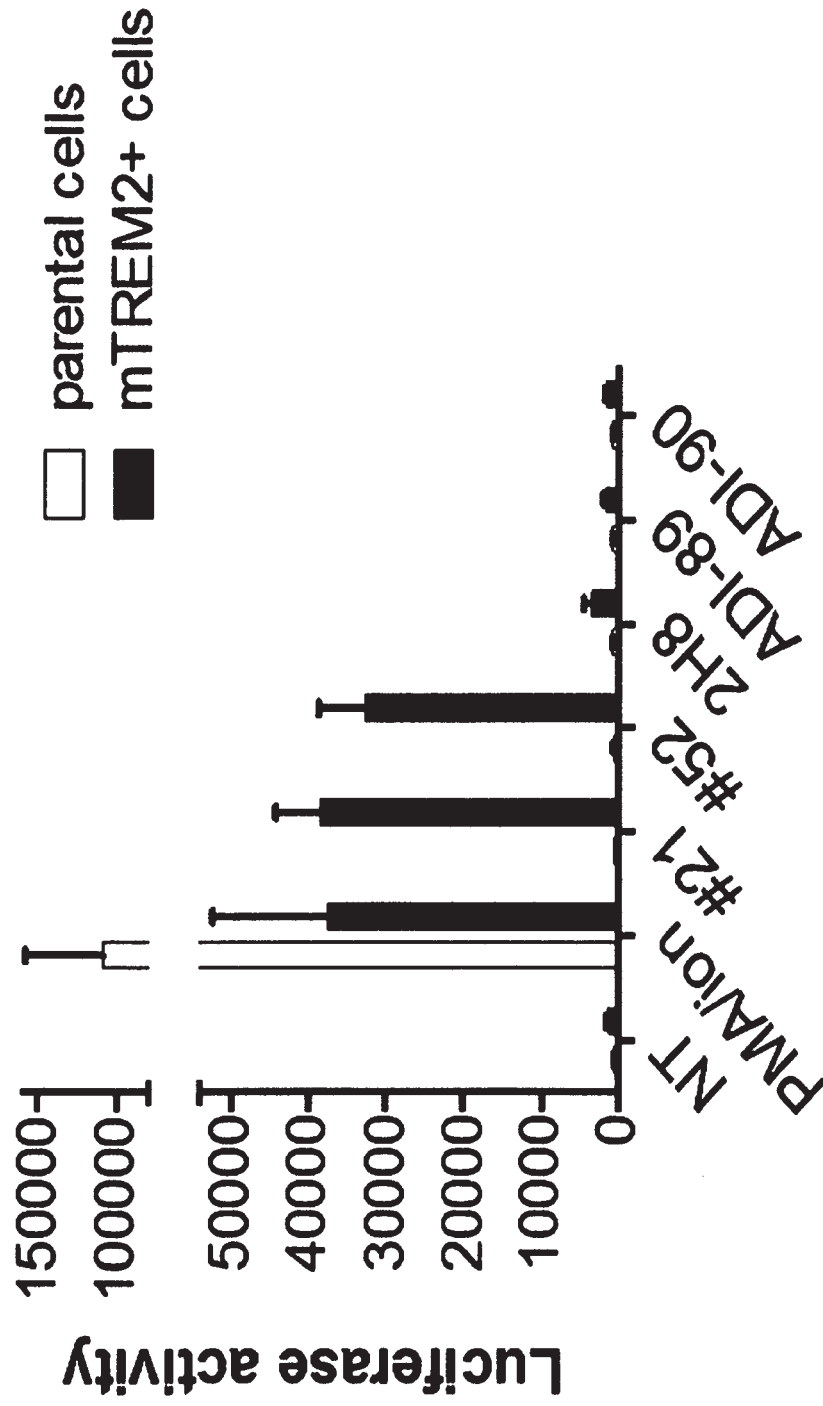


FIG. 18A

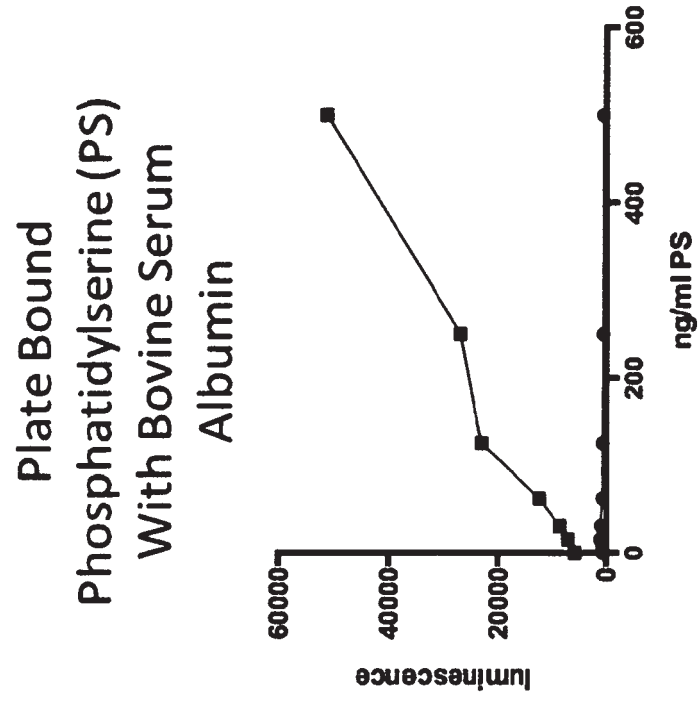
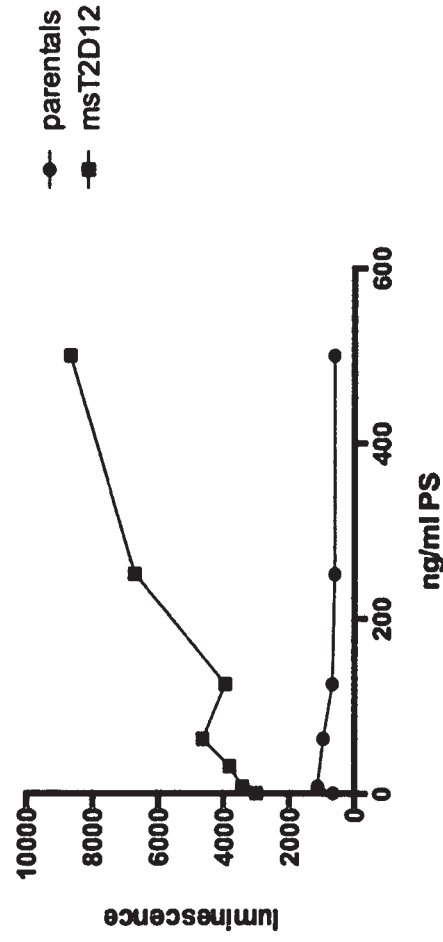


FIG. 18B

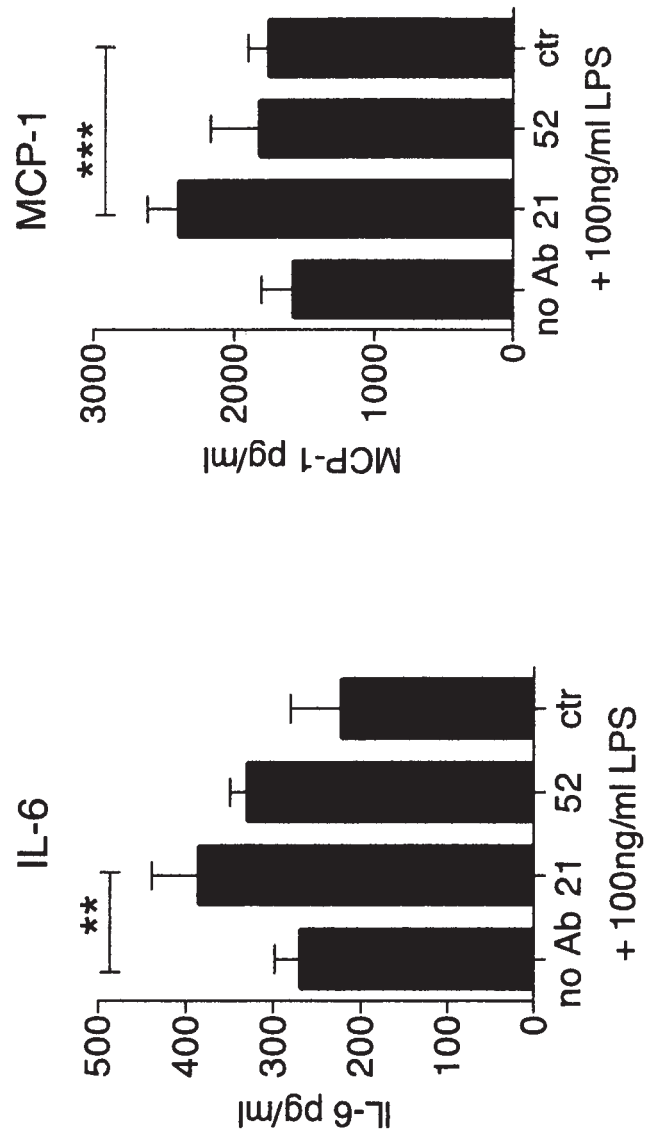


FIG. 18D

FIG. 18C

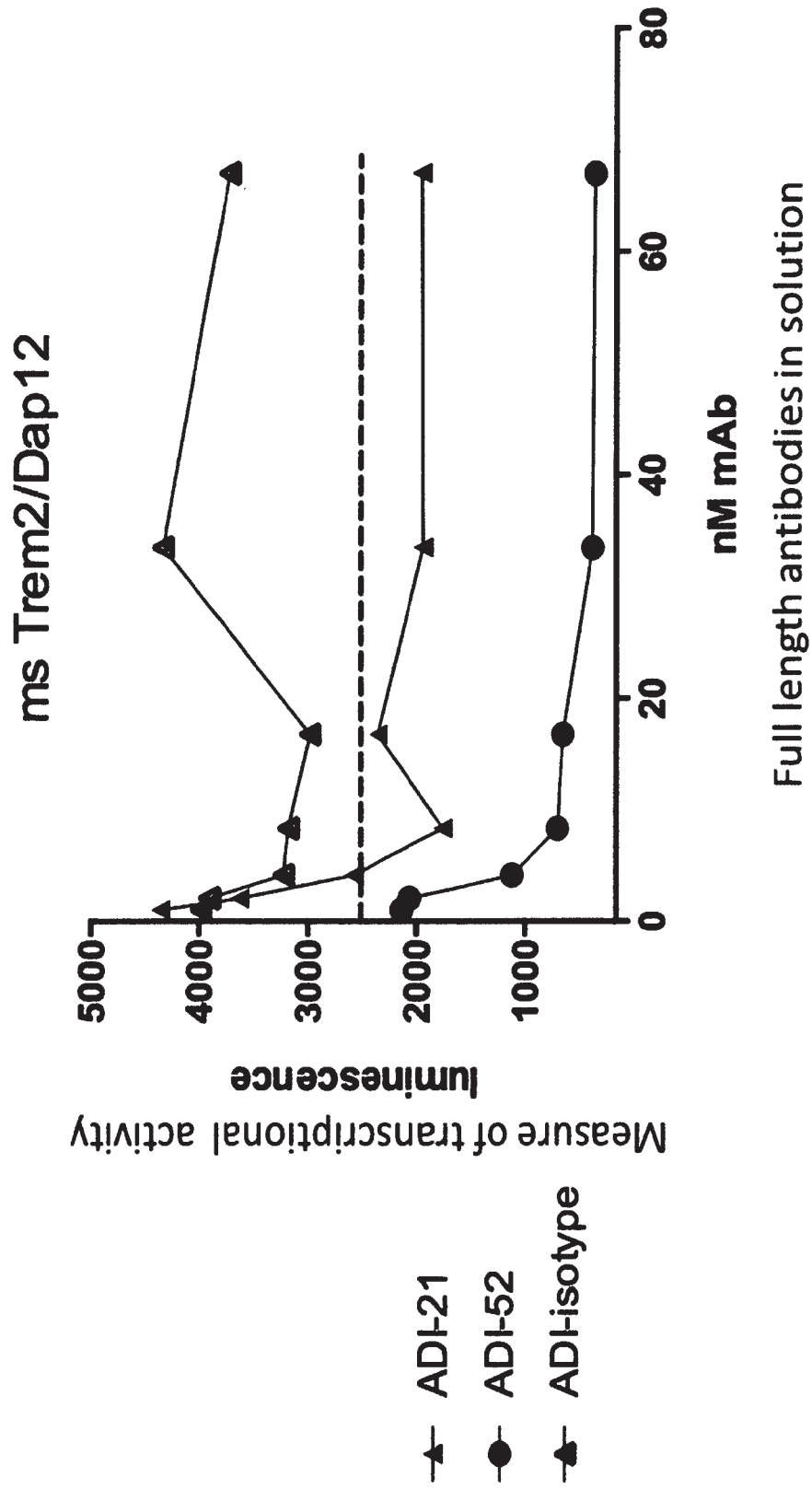


FIG. 19

Ab1 – Heavy chain variable region (SEQ ID NO:242)
EVQLLESGGGLVQPGGSLRLSCAASGFTFSSYAMSWVRQAPGKGLEWVSVISGGSTYYADSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCAKGIPTILLFOH
WGQGITLVTVSS

Ab2 – Heavy chain variable region (SEQ ID NO:244)
EVQLLESGGGLVQPGGSLRLSCAASGFTFSSSAMSWVRQAPGKGLEWVSAISGGSTYYADSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCAKVPSYDYWWS
GYSNYYYMDVWGKGTITVTVSS

Ab3 – Heavy chain variable region (SEQ ID NO:246)
QVQLVQSGAEVKKPGSSVKVSCKASGGTFSSYAISWVRQAPGQGLEWMGGIPIFGTANYAQKFQGRVTITADESTSTAYMELSSLRSEDTAVYYCAREQYHVGMD
VWGKGTITVTVSS

Ab4 – Heavy chain variable region (SEQ ID NO:248)
QVQLVQSGAEVKKPGSSVKVSCKASGGTFSSYAISWVRQAPGQGLEWMGGIPIFGTASYAQKFQGRVTITADESTSTAYMELSSLRSEDTAVYYCARGVDSIMDYW
GQGILVTVSS

Ab5 – Heavy chain variable region (SEQ ID NO:250)
QVQLVQSGAEVKKPGASVKVSCKASGYTFISYYIHWVRQAPGQGLEWMGIINPSGGSTISYAOKFQGRVTMTRDTSISTVYMELSSLRSEDTAVYYCARAPQESPYV
FDIWGQGTMTVTVSS

Ab6 – Heavy chain variable region (SEQ ID NO:252)
QVQLVQSGAEVKKPGASVKVSCKASGYTFISYYMHWVRQAPGQGLEWMGIINPSGGSTISYAOKFQGRVTMTRDTSISTVYMELSSLRSEDTAVYYCARGSPTYGY
LYDPWGQGITLVTVSS

Ab7 – Heavy chain variable region (SEQ ID NO:254)
QVQLVQSGAEVKKPGASVKVSCKASGYTFISYYMHWVRQAPGQGLEWMGIINPSGGSTITYAQKFQGRVTMTRDTSISTVYMELSSLRSEDTAVYYCARTSSKERD
YWGQGITLVTVSS

Ab8 – Heavy chain variable region (SEQ ID NO:256)
QLQLQESGPGLVKPSETLSLTCTVSGGSISSSSYWGWIRQPPGKGLEWIGSISYSGSTYYNPSLKSRVTISVDTSKNQFSLKLSSVTAADTAVYYCARGPYRLLLGMD
VWGQGTITVTVSS

Ab9 – Heavy chain variable region (SEQ ID NO:258)
EVQLVQSGAEVKKPGESLKISCKSGYSFTSYWIGWVRQMPGKGLEWMGIIPGDSDTTYSFSFOGQVTISADKSISTAYLQWSSLKASDTAMYYCARLHISGEVNW
FDPWGQGITLVTVSS

Ab10 – Heavy chain variable region (SEQ ID NO:260)
EVQLVQSGAEVKKPGESLKISCKSGYSFTSNWIGWVRQMPGKGLEWMGIIPGDSDIRYSPSFOGQVTISADKSISTAYLQWSSLKASDTAMYYCAREAGDYGEL
AFDIWGQGTMTVTVSS

FIG. 20A

- Ab11 – Heavy chain variable region (SEQ ID NO:262)
EVQLVQSGAEVKKPGESLKCKSGYSFTIYWGWVRQMPGKGLEWMGIYPGDSDIRYSPFQGVTISADKSISTAYLQWSSLKASDTAMTYTCARAGHYDGGHLGMD
VWGQGTITVTVSS
- Ab12 – Heavy chain variable region (SEQ ID NO:264)
EVQLVQSGAEVKKPGESLKCKSGYSFTSYWIGWVRQMPGKGLEWMGIYPGDSDIRYSPFQGVTISADKSISTAYLQWSSLKASDTAMTYTCARLGHYSGTVSSYGM
DVWGQGTITVTVSS
- Ab13 – Heavy chain variable region (SEQ ID NO:266)
QVQLVQSGAEVKKPGASVKVSCKASGYTFTSYGISWVRQAPGQGLEWMGWISAYNGNTNYAOKLOGRVMTITDTSTAYMELRSLRSDDTAVVYTCARGPSHYDDLA
WGQGITLTVTVSS
- Ab14 – Heavy chain variable region (SEQ ID NO:268)
QVQLQESGPGLVKPSQTLSLTCTVSGGSISSGGYYWSWIRQHPGKGLEWIGNIYYSGSTVYNPSLKSRVTISVDTSKNQFSLKLSVTAADTAVVYTCARGLYGYGVLDDVWG
QGITMVTVTVSS
- Ab15 – Heavy chain variable region (SEQ ID NO:268)
QVQLQESGPGLVKPSQTLSLTCTVSGGSISSGGYYWSWIRQHPGKGLEWIGNIYYSGSTVYNPSLKSRVTISVDTSKNQFSLKLSVTAADTAVVYTCARGLYGYGVLDDVWG
QGITMVTVTVSS
- Ab16 – Heavy chain variable region (SEQ ID NO:271)
QLQLQESGPGLVKPSETLSLTCTVSGGSISSNSYYWGWIRQPPGKGLEWIGSIYYSGSTIYNPSLKSRVTISVDTSKNQFSLKLSVTAADTAVVYTCARGVLGYGVFDYWGQ
GTLVTVTVSS
- Ab17 – Heavy chain variable region (SEQ ID NO:271)
QLQLQESGPGLVKPSETLSLTCTVSGGSISSNSYYWGWIRQPPGKGLEWIGSIYYSGSTIYNPSLKSRVTISVDTSKNQFSLKLSVTAADTAVVYTCARGVLGYGVFDYWGQ
GTLVTVTVSS
- Ab18 – Heavy chain variable region (SEQ ID NO:274)
QVQLQESGPGLVKPSETLSLTCTVSGGSISSYYWSWIRQPPGKGLEWIGSIYYSGSTIYNPSLKSRVTISVDTSKNQFSLKLSVTAADTAVVYTCARDGGGEYPSGTPFDIWG
QGITMVTVTVSS
- Ab19 – Heavy chain variable region (SEQ ID NO:274)
QVQLQESGPGLVKPSETLSLTCTVSGGSISSYYWSWIRQPPGKGLEWIGSIYYSGSTIYNPSLKSRVTISVDTSKNQFSLKLSVTAADTAVVYTCARDGGGEYPSGTPFDIWG
QGITMVTVTVSS
- Ab20 – Heavy chain variable region (SEQ ID NO:277)
QVQLQESGPGLVKPSETLSLTCTVSGGSISSYYWSWIRQPPGKGLEWIGSIYYSGSTIYNPSLKSRVTISVDTSKNQFSLKLSVTAADTAVVYTCARSGMASFFDYWGQGTL
VTVTVSS

FIG. 20A (Cont.)

Ab22 – Heavy chain variable region (SEQ ID NO:262)
EVQLVQSGAEVKKPGESLKISCKGSGYSFTIYWIGWVRQMPGKGLEWMGIYPGDSDIRYSPFQGVTISADKSISTAYLQWSSLKASDTAMYYCARAGHYDGGHLGMD
VWGQGTTITVSS

Ab23 – Heavy chain variable region (SEQ ID NO:280)
EVQLLESGGGLVQPGGSLRLSCAASGFTFSSYAMSWVRQAPGKGLEWVSAISGGSGSTYYADSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCAKLGGHSMDVWGQ
GITITVSS

Ab24 – Heavy chain variable region (SEQ ID NO:282)
EVQLLESGGGLVQPGGSLRLSCAASGFTFSSYAMSWVRQAPGKGLEWVSAISGGSGSTYYADSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCAKPLKRGRGFYWG
QGTLVTSS

Ab25 – Heavy chain variable region (SEQ ID NO:284)
EVQLLESGGGLVQPGGSLRLSCAASGFTFSSYAMSWVRQAPGKGLEWVSVISGGSGSTYYADSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCAKEGRITITMDWGQG
TLVTSS

Ab26 – Heavy chain variable region (SEQ ID NO:286)
EVQLLESGGGLVQPGGSLRLSCAASGFTFSSYAMSWVRQAPGKGLEWVSVISGGSGSTYYADSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCAKDOYSVLDYWGQ
GTLVTSS

Ab27 – Heavy chain variable region (SEQ ID NO:288)
EVQLLESGGGLVQPGGSLRLSCAASGFTFSSYAMSWVRQAPGKGLEWVSAISGGSGSTYYADSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCAKKYSSRGVYFDY
WGQGTLVTSS

Ab28 – Heavy chain variable region (SEQ ID NO:290)
EVQLLESGGGLVQPGGSLRLSCAASGFTFSSYAMSWVRQAPGKGLEWVSAISGGSGSTYYADSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCARLGGAVGARHVT
YFDYWGGQTLVTSS

Ab29 – Heavy chain variable region (SEQ ID NO:292)
QVQLVESGGGVVQPGRSLRLSCAASGFTFSSYGMHWVRQAPGKGLEWVAVISYDGSNKYYADSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCARGQYYGGSGWF
DPWGGQTLVTSS

Ab30 – Heavy chain variable region (SEQ ID NO:294)
EVQLLESGGGLVQPGGSLRLSCAASGFTFSSYAMSWVRQAPGKGLEWVSAISGGSGSTYYADSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCARLGOEYAYFOHW
GQGTILVTSS

FIG. 20A (Cont.)

Ab31 – Heavy chain variable region (SEQ ID NO:296)
QVQLVESGGGVVQPGRSLRLSCAASGFTSSYGMHWVRQAPGKGLEWVALIWYDGSNKYYADSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCARRRDGYYDEVF
DIWGQGTMTVTVSS

Ab32 – Heavy chain variable region (SEQ ID NO:298)
EVQLLESGGGLVQPGGSLRLSCAASGFTSSYAMSWVRQAPGKGLEWVSAISGGGSTYYADSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCARVPKHVVVLDYW
GQGITLVTVSS

Ab33 – Heavy chain variable region (SEQ ID NO:300)
QVQLVESGGGVVQPGRSLRLSCAASGFTSSYGMHWVRQAPGKGLEWVAVISYDGSNKYYADSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCARAGGHLEFDYWG
QGILVTVSS

Ab34 – Heavy chain variable region (SEQ ID NO:302)
QVQLVESGGGVVQPGRSLRLSCAASGFTSSYGMHWVRQAPGKGLEWVAVISYDGSNKYYADSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCARDRGGEYVDFAF
DIWGQGTMTVTVSS

Ab35 – Heavy chain variable region (SEQ ID NO:304)
EVQLLESGGGLVQPGGSLRLSCAASGFTSSYAMSWVRQAPGKGLEWVSAISGGGSTYYADSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCARTRSGYGASNYFD
YWGGGITLVTVSS

Ab36 – Heavy chain variable region (SEQ ID NO:306)
QVQLVESGGGVVQPGRSLRLSCAASGFTSTYGMHWVRQAPGKGLEWVAVIWYDGSNKYYADSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCARGTGAAASPA
FDIWGQGTMTVTVSS

Ab37 – Heavy chain variable region (SEQ ID NO:308)
EVQLLESGGGLVQPGGSLRLSCAASGFTSSYAMSWVRQAPGKGLEWVSAISGGGSTYYADSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCARVGOYMLGMDV
WGQGITVTVSS

Ab38 – Heavy chain variable region (SEQ ID NO:310)
QVQLVESGGGVVQPGRSLRLSCAASGFTSTYGMHWVRQAPGKGLEWVAVIWYDGSNKYYADSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCARGAPVDYGGIE
PEYFQHWGGITLVTVSS

Ab39 – Heavy chain variable region (SEQ ID NO:312)
EVQLLESGGGLVQPGGSLRLSCAASGFTSSYAMSWVRQAPGKGLEWVSAISGGGSTYYADSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCAKHVHVGIADFJWG
QGTMTVTVSS

Ab40 – Heavy chain variable region (SEQ ID NO:304)
EVQLLESGGGLVQPGGSLRLSCAASGFTSSYAMSWVRQAPGKGLEWVSAISGGGSTYYADSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCARTRSGYGASNYFD
YWGGGITLVTVSS

FIG. 20A (Cont.)

Ab41 – Heavy chain variable region (SEQ ID NO:315)
EVQLLESGGGLVQPGGSLRLSCAASGFTSTYAMSWVRQAPGKGLEWVSAIISGSGGSTYYADSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCARAMARKSVAFDIW
GGTMTVTSS

Ab42 – Heavy chain variable region (SEQ ID NO:317)
EVQLLESGGGLVQPGGSLRLSCAASGFTSSSAMSWVRQAPGKGLEWVSAIISGSGGSTYYADSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCAKVPSYQRGIAFDP
WQGTLVTSS

Ab43 – Heavy chain variable region (SEQ ID NO:319)
EVQLLESGGGLVQPGGSLRLSCAASGFTSSSAMSWVRQAPGKGLEWVSAIISGSGGSTYYADSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCAKSPAVAGIYRADY
WQGTLVTSS

Ab44 – Heavy chain variable region (SEQ ID NO:306)
QVQLVESGGGVVQPGRSLRLSCAASGFTSTYGMHWVRQAPGKGLEWVAVIWYDGSNKYYADSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCARGTGAAAAASPA
FDIWGGQGTMTVTSS

Ab45 – Heavy chain variable region (SEQ ID NO:322)
QVQLVQSGAEVKKPGASVKVSCKASGYTFISYYMHWVRQAPGQGLEWMGIINPSGGSTSYAQKFOGRVTMTRDTSTSTVYMELSSLRSEDTAVYYCARGPGYTTALDYY
YMDVVWGKGTVTVTSS

Ab46 – Heavy chain variable region (SEQ ID NO:324)
QVQLVQSGAEVKKPGASVKVSCKASGYTFISYYMHWVRQAPGQGLEWMGIINPSGGSTSYAQKFOGRVTMTRDTSTSTVYMELSSLRSEDTAVYYCARPAKTADYWGQ
GTLVTSS

Ab47 – Heavy chain variable region (SEQ ID NO:326)
QVQLVQSGAEVKKPGASVKVSCKASGYTFISYYMHWVRQAPGQGLEWMGIINPSGGSTSYAQKFOGRVTMTRDTSTSTVYMELSSLRSEDTAVYYCARPGKSMDVWGQ
GTLVTSS

Ab48 – Heavy chain variable region (SEQ ID NO:326)
QVQLVQSGAEVKKPGASVKVSCKASGYTFISYYMHWVRQAPGQGLEWMGIINPSGGSTSYAQKFOGRVTMTRDTSTSTVYMELSSLRSEDTAVYYCARPGKSMDVWGQ
GTLVTSS

Ab49 – Heavy chain variable region (SEQ ID NO:324)
QVQLVQSGAEVKKPGASVKVSCKASGYTFISYYMHWVRQAPGQGLEWMGIINPSGGSTSYAQKFOGRVTMTRDTSTSTVYMELSSLRSEDTAVYYCARPAKTADYWGQ
GTLVTSS

Ab50 – Heavy chain variable region (SEQ ID NO:250)
QVQLVQSGAEVKKPGASVKVSCKASGYTFISYYIHWVRQAPGQGLEWMGIINPSGGSTSYAQKFOGRVTMTRDTSTSTVYMELSSLRSEDTAVYYCARAPQESPYVFDIW
GQGTMTVTSS

FIG. 20A (Cont.)

Ab51 – Heavy chain variable region (SEQ ID NO:331)
QVQLVQSGAEVKKPGASVKVSCASGYTFISYYMHVVRQAPGQGLEWMGIINPSGGTSYAOKFQGRVTMTRDTISTVVMELSSLRSEDIAVYYCARGVGGODYYVM
DVWGKGITTVTVSS

Ab53 – Heavy chain variable region (SEQ ID NO:250)
QVQLVQSGAEVKKPGASVKVSCASGYTFISYYIHVVRQAPGQGLEWMGIINPSGGTSYAOKFQGRVTMTRDTISTVVMELSSLRSEDIAVYYCARAPQESPYVFDIW
GQGTMTVTVSS

Ab54 – Heavy chain variable region (SEQ ID NO:322)
QVQLVQSGAEVKKPGASVKVSCASGYTFISYYMHVVRQAPGQGLEWMGIINPSGGTSYAOKFQGRVTMTRDTISTVVMELSSLRSEDIAVYYCARGPGYTTALDYY
YMDVWGKGITTVTVSS

Ab55 – Heavy chain variable region (SEQ ID NO:335)
QVQLVQSGAEVKKPGASVKVSCASGYTFISGYMHVVRQAPGQGLEWMGWINPNSGGTINYAOKFQGRVTMTRDTISITAYMELSLRLSDDTAVYYCARGPLYHPMIFD
YWGQGLTVTVSS

Ab56 – Heavy chain variable region (SEQ ID NO:337)
QVQLVQSGAEVKKPGASVKVSCASGYTFISGYMHVVRQAPGQGLEWMGWINPNSGGTINYAOKFQGRVTMTRDTISITAYMELSLRLSDDTAVYYCARASSVDNWGQ
GTLTVTVSS

Ab57 – Heavy chain variable region (SEQ ID NO:339)
QVQLVQSGAEVKKPGASVKVSCASGYTFITNYGISVVRQAPGQGLEWMGWISAYNGNTINYAOKLQGRVTMTTDTSTAYMELSLRLSDDTAVYYCARGPTKAYYGS
GSYVVFDPWGQGLTVTVSS

Ab58 – Heavy chain variable region (SEQ ID NO:341)
EVQLVQSGAEVKKPGESLKISCKSGSYFTSYWIGVVRQMPGKGLEWMGIHPGDSDIRYSPSFOGQVTISADKSISTAYLQWSSLKASDTAMYYCARLGIYSTGATAFDI
WGQGTMTVTVSS

Ab59 – Heavy chain variable region (SEQ ID NO:343)
QVQLVQSGAEVKKPGASVKVSCASGYTFISGYMHVVRQAPGQGLEWMGWINPNSGGTINYAOKFQGRVTMTRDTISITAYMELSLRLSDDTAVYYCARGGVWYSLED
IWGQGTMTVTVSS

Ab60 – Heavy chain variable region (SEQ ID NO:345)
QVQLVQSGAEVKKPGASVKVSCASGYTFITGYMHVVRQAPGQGLEWMGWINPNSGGTSYAOKFQGRVTMTRDTISITAYMELSLRLSDDTAVYYCARASKMGDDW
GQGLTVTVSS

FIG. 20A (Cont.)

Ab61 – Heavy chain variable region (SEQ ID NO:347)
QVQLVQSGAEVKKPGASVKVSCKASGYTFISYGHVVRQAPGQGLEWMGWISAYNGNTNYAOKLQGRVTMTDTSTSTAYMELSLRSDDTAVYYCARGGVPRVSYFQ
HWGGTILVTVSS

Ab62 – Heavy chain variable region (SEQ ID NO:349)
EVQLVQSGAEVKKPGESLKISCKGSGYSFTSYWIGWVRQMPGKGLEWMGIYPGDSDIRYSPSFQGVITISADKSISTAYLQWSSLKASDTAMYYCARAGHYDDWSGLGL
DVWGQGITMVTVSS

Ab63 – Heavy chain variable region (SEQ ID NO:351)
QVQLVQSGAEVKKPGASVKVSCKASGYTFISYGHVVRQAPGQGLEWMGWISTYNGNTNYAOKLQGRVTMTDTSTSTAYMELSLRSDDTAVYYCARGSGGYDSWY
DWGQGITLVTVSS

Ab64 – Heavy chain variable region (SEQ ID NO:353)
EVQLVQSGAEVKKPGESLKISCKGSGYSFTSYWIGWVRQMPGKGLEWMGIYPGDSDIRYSPSFQGVITISADKSISTAYLQWSSLKASDTAMYYCARLGRWSSGSTAFDI
WGQGITMVTVSS

Ab65 – Heavy chain variable region (SEQ ID NO:355)
EVQLVQSGAEVKKPGESLKISCKGSGYSFTSYWIGWVRQMPGKGLEWMGIYPGDSDIRYSPSFQGVITISADKSISTAYLQWSSLKASDTAMYYCARLGRKPSGSAFDI
WGQGITMVTVSS

Ab66 – Heavy chain variable region (SEQ ID NO:357)
QVQLVQSGAEVKKPGASVKVSCKASGYTFISYMHVVRQAPGQGLEWMGWINPNSGGTINYAOKFQGRVTMTRDTISISTAYMELSLRSDDTAVYYCARAGHKTHDY
WGQGITLVTVSS

Ab67 – Heavy chain variable region (SEQ ID NO:326)
QVQLVQSGAEVKKPGASVKVSCKASGYTFISYMHVVRQAPGQGLEWMGIINPNSGGSTITYAOKFQGRVTMTRDTSTVTVMELSSLRSEDIAVYYCARPGKSMIDVWGGQ
GTTVTVSS

Ab68 – Heavy chain variable region (SEQ ID NO:360)
QVQLVQSGGGVVPQGRSLRLSCAASGFTFSYGMHVVRQAPGKGLEWVALIWYDGSNKYYADSVKGRFTISRDNKNTLYLQMNSLRAEDTAVYYCAKPGSMIDYWG
QGTLVTVSS

Ab69 – Heavy chain variable region (SEQ ID NO:362)
QVQLVQSGAEVKKPGASVKVSCKASGYTFISYMHVVRQAPGQGLEWMGWINPNSGGTINYAOKFQGRVTMTRDTISISTAYMELSLRSDDTAVYYCARAKSVDDHDYW
GQGITLVTVSS

Ab70 – Heavy chain variable region (SEQ ID NO:345)
QVQLVQSGAEVKKPGASVKVSCKASGYTFISYMHVVRQAPGQGLEWMGWINPNSGGTINYAOKFQGRVTMTRDTISISTAYMELSLRSDDTAVYYCARASKMGDDW
GQGITLVTVSS

FIG. 20A (Cont.)

Ab71 – Heavy chain variable region (SEQ ID NO:365)
QVQLVQSGAEVKKPGASVKVSCKASGYTFISYYMHVVRQAPGQGLEWMGIINPFGGSTSYAOKFOGRVTMTRDTSTSTVYMELSSLRSEDTAVYYCARDISTHSDYDLAF
DIWGQGTMVTVSS

Ab72 – Heavy chain variable region (SEQ ID NO:367)
QVQLQESGPGLVKPSETLSLTCTVSGSGSISSYYWSWIRQPPGKGLEWIGSIYYSGSTNYNPSLKSRVTISVDTSKNQFSLKLSSTAAADTAVYYCARSGTEILFDYWGQGTILV
TVSS

Ab73 – Heavy chain variable region (SEQ ID NO:369)
EVQLVQSGAEVKKPGESLKISCKGSGYSFTSYWIGVVRQMPGKGLEWMGIIPGDSDIITYSPFQGVVISADKSISTAYLQWSSLKASDTAMYYCARAKMLDDGYAFDI
WGQGTMTVTVSS

Ab74 – Heavy chain variable region (SEQ ID NO:357)
QVQLVQSGAEVKKPGASVKVSCKASGYTFISYYMHVVRQAPGQGLEWMGWINPNSGGTINYAOKFOGRVTMTRDTISISTAYMELSLRSDDTAVYYCARAGHKTHDY
WGQGTILVTVSS

Ab75 – Heavy chain variable region (SEQ ID NO:372)
QVQLVQSGAEVKKPGASVKVSCKASGYTFISYYMHVVRQAPGQGLEWMGWINPNSGGTINYAOKFOGRVTMTRDTISISTAYMELSLRSDDTAVYYCARDLGYSSLLA
LDIWGQGTMVTVSS

Ab76 – Heavy chain variable region (SEQ ID NO:374)
EVQLVESGGGLVPGGSLRLSCAASGTFESSYSMNWVRQAPGKGLEWVSSISSSSYYIYADSVKGRFTISRDNAKNSLYLQMNSLRAEDTAVYYCARGGRRGRDNNWFD
PWGQGTILVTVSS

Ab77 – Heavy chain variable region (SEQ ID NO:376)
QVQLVESGGGVVQPGRLSLRSCAASGTFESSYGMHWVRQAPGKGLEWVAVISYDGSNKYYADSVKGRFTISRDNKNTLYLQMNSLRAEDTAVYYCARGPPHEMDYWG
QGTLVTVSS

Ab78 – Heavy chain variable region (SEQ ID NO:378)
QVQLVESGGGVVQPGRLSLRSCAASGTFESSYGMHWVRQAPGKGLEWVAVIWYDGSNKYYADSVKGRFTISRDNKNTLYLQMNSLRAEDTAVYYCARTPYPWIYFDL
WGRGTLVTVSS

Ab79 – Heavy chain variable region (SEQ ID NO:380)
EVQLVESGGGLVQPGGSLRLSCAASGTFESSYSMNWVRQAPGKGLEWVSYISGSSSTIYYADSVKGRFTISRDNKNSLYLQMNSLRAEDTAVYYCARGGRRHYGGMDV
WGQGTITVTVSS

Ab80 – Heavy chain variable region (SEQ ID NO:382)
QVQLVQSGAEVKKPGSSVKVSCKASGTFESSYAISWVRQAPGQGLEWMGGIIPFGTANYAOKFOGRVTITADESTIAYMELSSLRSEDTAVYYCARGGGTFWSGSWAL
YWGQGTILVTVSS

FIG. 20A (Cont.)

Ab81 – Heavy chain variable region (SEQ ID NO:384)
QVQLVQSGAEVKKPGSSVKVSCKASGTFSSYAISWVRQAPGQGLEWMGGIPIFGTANYAQKFQGRVTITADESTSTAYMELSSLRSEDTAVYYCARDSGNYDYWSGALRYWGQGTLVTVSS

Ab82 – Heavy chain variable region (SEQ ID NO:386)
QVQLQESGPGLVKPSQITLSLTCTVSGGSISGGYYYSWIRQHPGKGLEWIGYIYSGSTVYNPSLKSRVTISVDTSKNQFSLKLSSTAAADTAVYYCARVSSSWYKAWGQGTMVTVSS

Ab83 – Heavy chain variable region (SEQ ID NO:388)
QVQLQQWGAGLLKPSETLSLTCAVYGGSFSGYYYSWIRQPPGKGLEWIGEIDHSGSTKYNPSLKSRVTISVDTSKNQFSLKLSSTAAADTAVYYCARVGVVVVGRPGYSAFDIWGQGTMTVTVSS

Ab84 – Heavy chain variable region (SEQ ID NO:351)
QVQLVQSGAEVKKPGASVKVSCKASGYTFISYGISWVRQAPGQGLEWMGWISTYNGNTINYAQKLGQGRVTMTIDTSTAYMELRSLRSDDTAVYYCARGSGSGYDSWYDWGQGTLVTVSS

Ab85 – Heavy chain variable region (SEQ ID NO:391)
QVQLVESGGGVVQPGRSLRLSCAASGTFSSYGMHWWVRQAPGKGLEWVAVIWYDGSNKYYADSVKGRFTISRDNKNTLYLQMNSLRAEDTAVYYCAKDLGGYYGGAAYGMDVVWGQGTTVTVSS

Ab86 – Heavy chain variable region (SEQ ID NO:393)
QVQLVESGGGVVQPGRSLRLSCAASGTFSSYGMHWWVRQAPGKGLEWVAVISYDGSNKYYADSVKGRFTISRDNKNTLYLQMNSLRAEDTAVYYCAKDGVYYGLGNWFDPWGQGLVTVSS

Ab87 – Heavy chain variable region (SEQ ID NO:395)
QVQLQESGPGLVKPSSETLSLTCTVSGGSISYYYSWIRQPPGKGLEWIGSIYYSGSTINYNPSLKSRVTISVDTSKNQFSLKLSSTAAADTAVYYCARHGWDRVGVGWFDPWQGTLVTVSS

FIG. 20A (Cont.)

Ab1 – Light chain variable region (SEQ ID NO:243)
 EIVMTQSPATLSVSPGERATLSCRASQSVSSNLAWYQQKPGQAPRLLIYGASTRAIGIPARFSGSGSGTEFTLTISSLQSEDFAVVYCCQQLPYWPPTFGGGTKVEIK

Ab2 – Light chain variable region (SEQ ID NO:245)
 EIVLTQSPATLSVSPGERATLSCRASQSVGSNLAWYQQKPGQAPRLLIYGASTRAIGIPARFSGSGSGTEFTLTISSLQSEDFAVVYCCQYFFYPPIFGGGTKVEIK

Ab3 – Light chain variable region (SEQ ID NO:247)
 DIQMTQSPSSLSASVGDRTITCQASQDSINYLWYQQKPGKAPKLLIYDASNLAIGVPSRFSGSGGTDFITISSLQPEDIAITYYCCQPFNFPYTFGGGKVEIK

Ab4 – Light chain variable region (SEQ ID NO:249)
 EIVMTQSPATLSVSPGERATLSCRASQSVSSNLAWYQQKPGQAPRLLIYASTRAIGIPARFSGSGSGTEFTLTISSLQSEDFAVVYCCQDHDYPIIFGGGKVEIK

Ab5 – Light chain variable region (SEQ ID NO:251)
 EIVMTQSPGTLSLSPGERATLSCRASQSVSSSYLAWYQQKPGQAPRLLIYGASSRAIGIPDRFSGSGGTDFLTISRLEPEDFAVVYCCQYFSSPPIFGGGTKVEIK

Ab6 – Light chain variable region (SEQ ID NO:253)
 EIVLTQSPATLSLSPGERATLSCRASQSVSSSYLAWYQQKPGQAPRLLIYDASKRAIGIPARFSGSGSGTDFLTISLLEPEDFAVVYCCQQRVNLPIIFGGGKVEIK

Ab7 – Light chain variable region (SEQ ID NO:255)
 EIVLTQSPATLSLSPGERATLSCRASQSVSSSYLAWYQQKPGQAPRLLIYDASKRAIGIPARFSGSGSGTDFLTISLLEPEDFAVVYCCQORISYPPIFGGGKVEIK

Ab8 – Light chain variable region (SEQ ID NO:257)
 DIQMTQSPSSLSASVGDRTITCRASQSISSYLNWYQQKPGKAPKLLIYGASSLOSQVPSRFSGSGGTDFLTISSLQPEDFATYYCCQIDDTPIIFGGGKVEIK

Ab9 – Light chain variable region (SEQ ID NO:259)
 EIVLTQSPATLSLSPGERATLSCRASQSVSSSYLAWYQQKPGQAPRLLIYDASNRAIGIPARFSGSGSGTDFLTISLLEPEDFAVVYCCQFSYWPWTFGGGKVEIK

Ab10 – Light chain variable region (SEQ ID NO:261)
 EIVLTQSPGTLSLSPGERATLSCRASQSVSSSYLAWYQQKPGQAPRLLIYGASSRAIGIPDRFSGSGGTDFLTISRLEPEDFAVVYCCQQHDSSPPIFGGGKVEIK

FIG. 20B

- Ab11 – Light chain variable region (SEQ ID NO:263)
 EIVLTQSPGTLSLSPGERATLSCRASQSVSSDYLAWYQQKPGQAPRLLIYGASSRAIGIPDRFSGSGGTDFLTISRLEPEDFAVYYCQODYSYPWTFGGGKVEIK
- Ab12 – Light chain variable region (SEQ ID NO:265)
 DIQMTQSPSSLSASVGDRVTITTCRASQSISSYLNWYQQKPGKAPKLLIYAASSLSQGVPSRFSGSGGTDFLTISLQPEDFATYYCQOEYAVPYTFGGGKVEIK
- Ab13 – Light chain variable region (SEQ ID NO:267)
 EIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASNRAIGIPARFSGSGSGTDFTLTISLQPEDFAVYYCQQVSNYPITFGGGTKVEIK
- Ab14 – Light chain variable region (SEQ ID NO:269)
 DIQMTQSPSSLSASVGDRVTITTCASQDISNYLNWYQQKPGKAPKLLIYDASNLEIGVPSRFSGSGGTDFLTISLQPEDIAVYYCQQVDNIPPITFGGGTKVEIK
- Ab15 – Light chain variable region (SEQ ID NO:270)
 DIQMTQSPSSLSASVGDRVTITTCASQDISNYLNWYQQKPGKAPKLLIYDASNLEIGVPSRFSGSGGTDFLTISLQPEDIAVYYCQQFDITYPTFGGGTKVEIK
- Ab16 – Light chain variable region (SEQ ID NO:272)
 DIQMTQSPSSLSASVGDRVTITTCASQDISNYLNWYQQKPGKAPKLLIYDASNLEIGVPSRFSGSGGTDFLTISLQPEDIAVYYCQQFLNFPITFGGGTKVEIK
- Ab17 – Light chain variable region (SEQ ID NO:273)
 DIQMTQSPSSLSASVGDRVTITTCASQDISNYLNWYQQKPGKAPKLLIYDASNLEIGVPSRFSGSGGTDFLTISLQPEDIAVYYCQQFFNFPITFGGGTKVEIK
- Ab18 – Light chain variable region (SEQ ID NO:275)
 DIQMTQSPSSLSASVGDRVTITTCASQDISNYLNWYQQKPGKAPKLLIYDASNLEIGVPSRFSGSGGTDFLTISLQPEDIAVYYCQQFIDLPTFGGGTKVEIK
- Ab19 – Light chain variable region (SEQ ID NO:276)
 DIQMTQSPSSLSASVGDRVTITTCASQDISNYLNWYQQKPGKAPKLLIYDASNLEIGVPSRFSGSGGTDFLTISLQPEDIAVYYCQQYYDLPTFGGGTKVEIK
- Ab20 – Light chain variable region (SEQ ID NO:278)
 EIVLTQSPGTLSLSPGERATLSCRASQSVSSDYLAWYQQKPGQAPRLLIYGASSRAIGIPDRFSGSGGTDFLTISRLEPEDFAVYYCQQFSSHPFITFGGGTKVEIK

FIG. 20B (Cont.)

Ab22 – Light chain variable region (SEQ ID NO:279)
 EIVMTQSPGTLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYGASSRAIGIPDRFSGSGGTDFTLTISRLEPEDFAVYYCQDDRSPLYTGGGTKVEIK

Ab23 – Light chain variable region (SEQ ID NO:281)
 DIVMTQSPDSLAVSLGERATINCKSSQSVLYSSNNKNYLAWYQQKPGQPKLLISWASTRESGVDRFSGSGGTDFTLTISLQAEADVAVYYCQQAYLPPITGGGTKV
 EIK

Ab24 – Light chain variable region (SEQ ID NO:283)
 DIQMTQSPSSLSASVGDRVTITCRASQSISSYLNWYQQKPGKAPKLLIYAASSLSQSGVPSRFSGSGGTDFTLTISLQPEDFATYYCQAFSPPPWTFGGGTKVEIK

Ab25 – Light chain variable region (SEQ ID NO:285)
 EIVLTQSPGTLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYGASSRAIGIPDRFSGSGGTDFTLTISRLEPEDFAVYYCQDDRSPITGGGTKVEIK

Ab26 – Light chain variable region (SEQ ID NO:287)
 EIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASNRAIGIPARFSGSGGTDFTLTISLLEPEDFAVYYCQOEFDLPTGGGTKVEIK

Ab27 – Light chain variable region (SEQ ID NO:289)
 EIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASNRAIGIPARFSGSGGTDFTLTISLLEPEDFAVYYCQOYNNFPPITGGGTKVEIK

Ab28 – Light chain variable region (SEQ ID NO:291)
 EIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASKRAIGIPARFSGSGGTDFTLTISLLEPEDFAVYYCQORYLRPITGGGTKVEIK

Ab29 – Light chain variable region (SEQ ID NO:293)
 EIVLTQSPGTLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYGASSRAIGIPDRFSGSGGTDFTLTISRLEPEDFAVYYCQQPGAVPITGGGTKVEIK

Ab30 – Light chain variable region (SEQ ID NO:295)
 DIQMTQSPSSLSASVGDRVTITCRASQSISSYLNWYQQKPGKAPKLLIYGASSLSQSGVPSRFSGSGGTDFTLTISLQPEDFATYYCQOYVYIPIITGGGTKVEIK

FIG. 20B (Cont.)

Ab31 – Light chain variable region (SEQ ID NO:297)
 DIQLTQSPSSLSASVGDRTVTITCQASQDISNFLNWWYQQKPGKAPKLLIYDASNLEITGVPSRFSGSGSGTDFITFTISSLQPEDIAVYYCQQPVDLPFIFFGGGKVEIK

Ab32 – Light chain variable region (SEQ ID NO:299)
 EIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASNRAITGIPARFSGSGSGTDFITLTISLLEPEDFAVYYCQQYSFFPPIFFGGGKVEIK

Ab33 – Light chain variable region (SEQ ID NO:301)
 EIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASNRAITGIPARFSGSGSGTDFITLTISLLEPEDFAVYYCQODSSFPPIFFGGGKVEIK

Ab34 – Light chain variable region (SEQ ID NO:303)
 DIQMTQSPSSLSASVGDRTVTITCRASQSISSYLNWYQQKPGKAPKLLIYAASSLQSGVPSRFSGSGSGTDFITLTISLQPEDFATYYCQOSDFPPWTFGGGKVEIK

Ab35 – Light chain variable region (SEQ ID NO:305)
 DIQMTQSPSSLSASVGDRTVTITCRASQSISSYLNWYQQKPGKAPKLLIYAASSLQSGVPSRFSGSGSGTDFITLTISLQPEDFATYYCQQGYSAPIFFGGGKVEIK

Ab36 – Light chain variable region (SEQ ID NO:307)
 EIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASNRAITGIPARFSGSGSGTDFITLTISLLEPEDFAVYYCQQLFDWPIFFGGGKVEIK

Ab37 – Light chain variable region (SEQ ID NO:309)
 EIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASNRAITGIPARFSGSGSGTDFITLTISLLEPEDFAVYYCQQR AFLFIFFGGGKVEIK

Ab38 – Light chain variable region (SEQ ID NO:311)
 EIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASNRAITGIPARFSGSGSGTDFITLTISLLEPEDFAVYYCQOIDFLPYTFGGGKVEIK

Ab39 – Light chain variable region (SEQ ID NO:313)
 DIQMTQSPSSLSASVGDRTVTITCRASQSISSYLNWYQQKPGKAPKLLIYAASSLQSGVPSRFSGSGSGTDFITLTISLQPEDFATYYCQQVYSPPIFFGGGKVEIK

Ab40 – Light chain variable region (SEQ ID NO:314)
 DIQMTQSPSSLSASVGDRTVTITCRASQSISSYLNWYQQKPGKAPKLLIYAASSLQSGVPSRFSGSGSGTDFITLTISLQPEDFATYYCQQGYAAPPIFFGGGKVEIK

FIG. 20B (Cont.)

Ab41 – Light chain variable region (SEQ ID NO:316)
 EIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASNRAIGIPARFSGSGSGTDFTLTISLLEPEDFVYVYCCQRYALPIITFGGGTKVEIK

Ab42 – Light chain variable region (SEQ ID NO:318)
 EIVLTQSPGTLTLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYGASSRAIGIPDRFSGSGSGTDFTLTISRLEPEDFAVYVYCCQYASPPITFGGGTKVEIK

Ab43 – Light chain variable region (SEQ ID NO:320)
 DIQMTQSPSSLSASVGDRVTITCRASQISIRYLNWYQQKPGKAPKLLIYAASSLSQGVPSRFSGSGSGTDFTLTISLQPEDFATYVYCCQVYSTPIITFGGGTKVEIK

Ab44 – Light chain variable region (SEQ ID NO:321)
 EIVMTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDSSNRAIGIPARFSGSGSGTDFTLTISLLEPEDFAVYVYCCQLVHWPTFGGGTKVEIK

Ab45 – Light chain variable region (SEQ ID NO:323)
 EIVMTQSPATLSVSPGERATLSCRASQSVSSNLAWYQQKPGQAPRLLIYGASTRAIGIPARFSGSGSGTEFTLTISLSQSEDFAVYVYCCQLDDWFTFGGGTKVEIK

Ab46 – Light chain variable region (SEQ ID NO:325)
 EIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDSSNRAIGIPARFSGSGSGTDFTLTISLLEPEDFAVYVYCCQRSNYPITFGGGTKVEIK

Ab47 – Light chain variable region (SEQ ID NO:327)
 EIVLTQSPGTLTLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASNRAIGIPARFSGSGSGTDFTLTISLLEPEDFAVYVYCCQRIILYPIITFGGGTKVEIK

Ab48 – Light chain variable region (SEQ ID NO:328)
 EIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASNRAIGIPARFSGSGSGTDFTLTISLLEPEDFAVYVYCCQRAAAYPIITFGGGTKVEIK

Ab49 – Light chain variable region (SEQ ID NO:329)
 EIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASKRAIGIPARFSGSGSGTDFTLTISLLEPEDFAVYVYCCQRTSHPIITFGGGTKVEIK

Ab50 – Light chain variable region (SEQ ID NO:330)
 EIVLTQSPGTLTLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYGASSRAIGIPDRFSGSGSGTDFTLTISRLEPEDFAVYVYCCQYAGSPFITFGGGTKVEIK

FIG. 20B (Cont.)

Ab51 – Light chain variable region (SEQ ID NO:332)
 DIQMTQSPSSLASVGDRTVTITCRASQSISSYLAWYQQKPGKAPKLLIYAASSLSQSGVPSRFSGSGGTDFTLTISSLQPEDFATYYCQQFDDVFIFFGGGKVEIK

Ab53 – Light chain variable region (SEQ ID NO:333)
 EIVLTQSPGTLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYGASSRATGIPDRFSGSGGTDFTLTISSLQPEDFAVYYCQQYVNSPFIFFGGGKVEIK

Ab54 – Light chain variable region (SEQ ID NO:334)
 DIQMTQSPSSLASVGDRTVTITCRASQSISSYLAWYQQKPGKAPKLLIYAASSLSQSGVPSRFSGSGGTDFTLTISSLQPEDFATYYCQQSDDDPFIFFGGGKVEIK

Ab55 – Light chain variable region (SEQ ID NO:336)
 EIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASNRAIGIPARFSGSGGTDFTLTISSLQPEDFAVYYCQQLSTYPLIFFGGGKVEIK

Ab56 – Light chain variable region (SEQ ID NO:338)
 EIVMTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASNRAIGIPARFSGSGGTDFTLTISSLQPEDFAVYYCQQRSVYPIIFFGGGKVEIK

Ab57 – Light chain variable region (SEQ ID NO:340)
 EIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASKRAIGIPARFSGSGGTDFTLTISSLQPEDFAVYYCQQVSLFPLIFFGGGKVEIK

Ab58 – Light chain variable region (SEQ ID NO:342)
 DIQMTQSPSTLSASVGDRTVTITCRASQSISSWLAWYQQKPGKAPKLLIYDASSLESQVPSRFSGSGGTDFTLTISSLQPEDFAVYYCCLDYNYSPIIFFGGGKVEIK

Ab59 – Light chain variable region (SEQ ID NO:344)
 DIQMTQSPSSLASVGDRTVTITCRASQSISSYLAWYQQKPGKAPKLLIYDASNLEIGVPSRFSGSGGTDFTLTISSLQPEDIAVYYCQOHIALLPFIFFGGGKVEIK

Ab60 – Light chain variable region (SEQ ID NO:346)
 EIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASKRAIGIPARFSGSGGTDFTLTISSLQPEDFAVYYCQQRASMPFIFFGGGKVEIK

FIG. 20B (Cont.)

Ab61 – Light chain variable region (SEQ ID NO:348)
 EIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDSSNRAIGIPARFSGSGSGTDFTLTISSELPEDFAVYYCQQAFNRPPTFGGGTKVEIK

Ab62 – Light chain variable region (SEQ ID NO:350)
 EIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASKRAIGIPARFSGSGSGTDFTLTISSELPEDFAVYYCQQSSVHPYTFGGGTKVEIK

Ab63 – Light chain variable region (SEQ ID NO:352)
 DIQMTQSPSSVSASVGDRTITCRASQGISWLAWYQQKPGKAPKLLIYAASSLQSGVPSRFSGSGSGTDFTLTISLQPEDFAVYYCQQAAYSLPPTFGGGTKVEIK

Ab64 – Light chain variable region (SEQ ID NO:354)
 EIVMTQSPATLSVSPGERATLSCRASQSVSSNLAWYQQKPGQAPRLLIYGASTRAIGIPARFSGSGSGTEFTLTISLQSEDFAVYYCQDDDDGYTFGGGTKVEIK

Ab65 – Light chain variable region (SEQ ID NO:356)
 EIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASNRAIGIPARFSGSGSGTDFTLTISSELPEDFAVYYCQODYSWPYTFGGGTKVEIK

Ab66 – Light chain variable region (SEQ ID NO:358)
 EIVLTQSPGTLSSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASNRAIGIPARFSGSGSGTDFTLTISSELPEDFAVYYCQQRSAYPITFGGGTKVEIK

Ab67 – Light chain variable region (SEQ ID NO:359)
 EIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASNRAIGIPARFSGSGSGTDFTLTISSELPEDFAVYYCQQRSHFPIITFGGGTKVEIK

Ab68 – Light chain variable region (SEQ ID NO:361)
 EIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASNRAIGIPARFSGSGSGTDFTLTISSELPEDFAVYYCQQRANYPITFGGGGTKVEIK

Ab69 – Light chain variable region (SEQ ID NO:363)
 EIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASNRAIGIPARFSGSGSGTDFTLTISSELPEDFAVYYCQQRADYPITFGGGGTKVEIK

Ab70 – Light chain variable region (SEQ ID NO:364)
 EIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASNRAIGIPARFSGSGSGTDFTLTISSELPEDFAVYYCQQRSVYPITFGGGGTKVEIK

FIG. 20B (Cont.)

- Ab71 – Light chain variable region (SEQ ID NO:366)
 EIVMTQSPGTLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYGASNRAIGIPDRFSGSGGTDFTLTISRLEPEDFAVYYCQAGSHPFIFGGGKVEIK
- Ab72 – Light chain variable region (SEQ ID NO:368)
 DIQMTQSPSSLSASVGDRTVTITCQASQDITNYLNWYQQKPGKAPKLLIYDASNLEIGVPSRFSGRSGTDFITFISLQPEDIAITYYCQDDVNYPPIFGGGKVEIK
- Ab73 – Light chain variable region (SEQ ID NO:370)
 EIVMTQSPATLSVSPGERATLSCRASQSVSSNLAWYQQKPGQAPRLLIYGASTRAIGIPARFSGSGSGTEFTLTISLQSEDFAVYYCQDDNYPPIFGGGKVEIK
- Ab74 – Light chain variable region (SEQ ID NO:371)
 EIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASNRAIGIPARFSGSGSGTDFLTISLLEPEDFAVYYCQQRSTFPPIFGGGKVEIK
- Ab75 – Light chain variable region (SEQ ID NO:373)
 EIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASNRAIGIPARFSGSGSGTDFLTISLLEPEDFAVYYCQQVSNYPPIFGGGKVEIK
- Ab76 – Light chain variable region (SEQ ID NO:375)
 DIVMTQSPDSLAVSLGERATINCSSQSVLYSSNNKNYLAWYQQKPGQPPKLLIYWASTRESGVDPDRFSGSGGTDFLTISLQAEDVAVYYCQQYHDAPITFGGGTKVEIK
- Ab77 – Light chain variable region (SEQ ID NO:377)
 DIVMTQSPDSLAVSLGERATINCSSQSVLYSSNNKNYLAWYQQKPGQPPKLLIYWASTRESGVDPDRFSGSGGTDFLTISLQAEDVAVYYCQQA YVVPPIFGGGTKVEIK
- Ab78 – Light chain variable region (SEQ ID NO:379)
 EIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASNRAIGIPARFSGSGSGTDFLTISLLEPEDFAVYYCQQADNWPPIFGGGKVEIK
- Ab79 – Light chain variable region (SEQ ID NO:381)
 DIVMTQSPLSLPVTGPASISCRSSQSLHSGNGYNYLDWYLQKPGSQPLLIIYLGSHRASGVDPDRFSGSGGTDFLTISRVEAEDVGYYVYCMQALESPRIFGGGKVEIK
- Ab80 – Light chain variable region (SEQ ID NO:383)
 EIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASNRAIGIPARFSGSGSGTDFLTISLLEPEDFAVYYCQQVYNWPPIFGGGKVEIK

FIG. 20B (Cont.)

Ab81 – Light chain variable region (SEQ ID NO:385)
 EIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASNRAITGIPARFSGSGSGTDFTLTISLLEPEDFAVYYCQQSSNWPWTFGGGTKVEIK

Ab82 – Light chain variable region (SEQ ID NO:387)
 DIQMTQSPSSVSASVGDRVTITCRASQGISSWLAWYQQKPGKAPKLLIYAASSLQSGVPSRFSGSGSGTDFTLTISLQPEDFATYYCQQAATFPIIFGGGTKVEIK

Ab83 – Light chain variable region (SEQ ID NO:389)
 DIQMTQSPSSVSASVGDRVTITCRASQGISSWLAWYQQKPGKAPKLLIYAASSLQSGVPSRFSGSGSGTDFTLTISLQPEDFATYYCQQRNSLPLIFGGGTKVEIK

Ab84 – Light chain variable region (SEQ ID NO:390)
 DIQMTQSPSSLSASVGDRVTITCRASQSISSYLNWYQQKPGKAPKLLIYAASSLQSGVPSRFSGSGSGTDFTLTISLQPEDFATYYCQQSYDFPIIFGGGTKVEIK

Ab85 – Light chain variable region (SEQ ID NO:392)
 DIQLTQSPSSVSASVGDRVTITCRASQDISSWLAWYQQKPGKAPKLLIYAASSLQSGVPSRFSGSGSGTDFTLTISLQPEDFATYYCQQEVDYPPLIFGGGTKVEIK

Ab86 – Light chain variable region (SEQ ID NO:394)
 DIQMTQSPSTLSASVGDRVTITCRASQSISSWLAWYQQKPGKAPKLLIYKASSLESQVPSRFSGSGSGTEFTLTISLQPDFAFATYYCQQLNYSYSPIFGGGTKVEIK

Ab87 – Light chain variable region (SEQ ID NO:396)
 EIVLTQSPATLSLSPGERATLSCRASQSVSRYLAWYQQKPGQAPRLLIYDASNRAITGIPARFSGSGSGTDFTLTISLLEPEDFAVYYCQQYIFWPPIFGGGTKVEIK

FIG. 20B (Cont.)

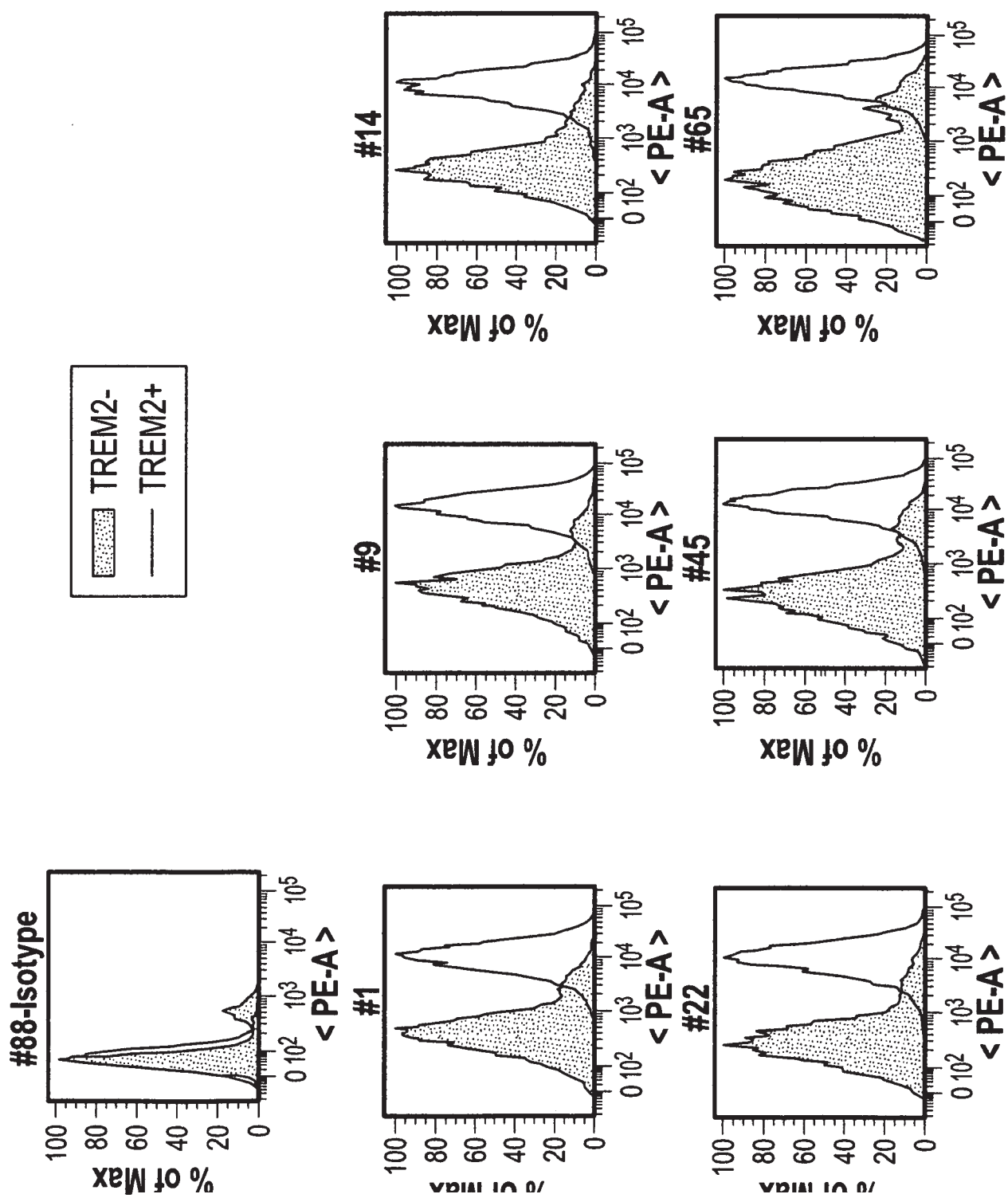


FIG. 21A

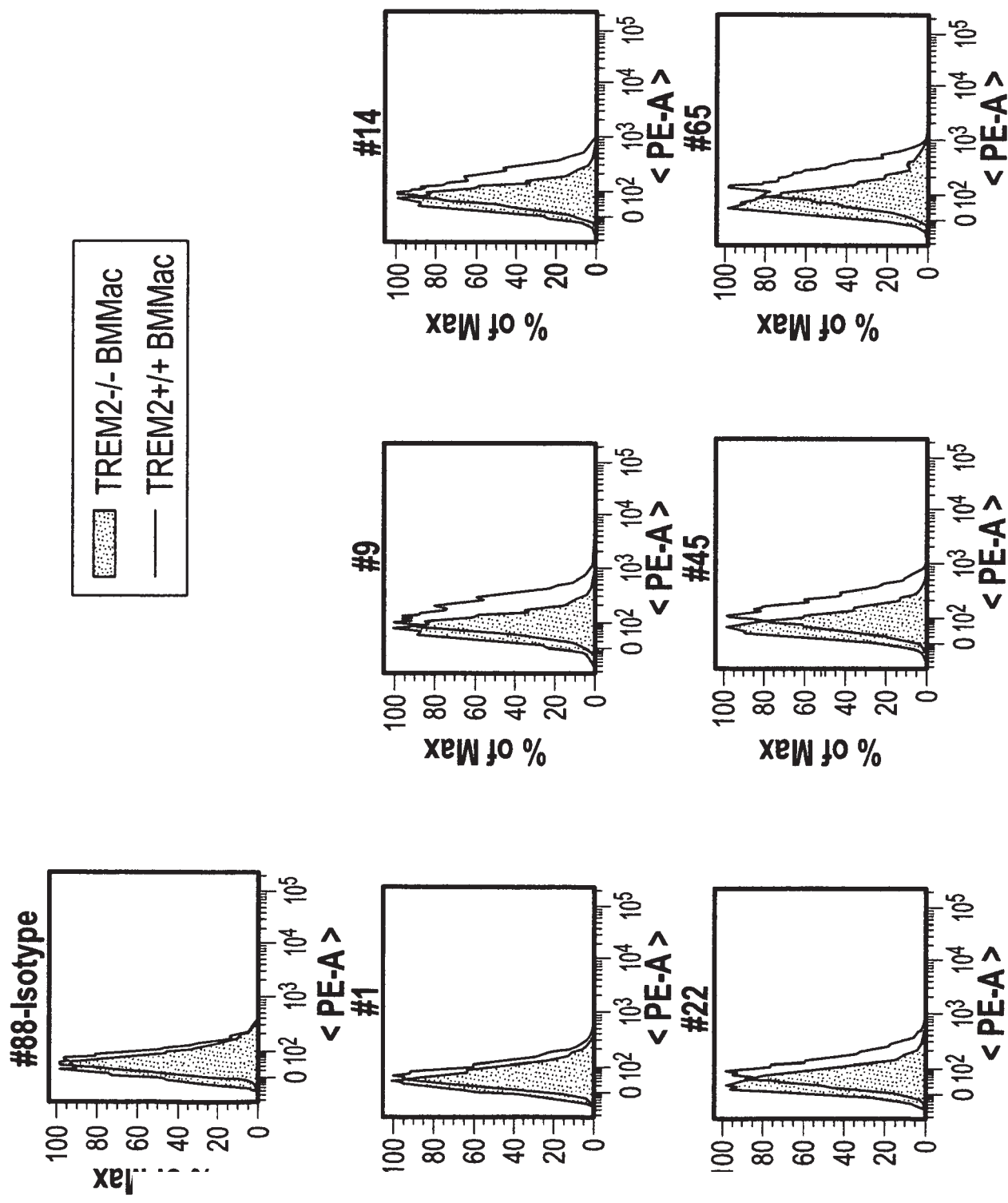


FIG. 21B

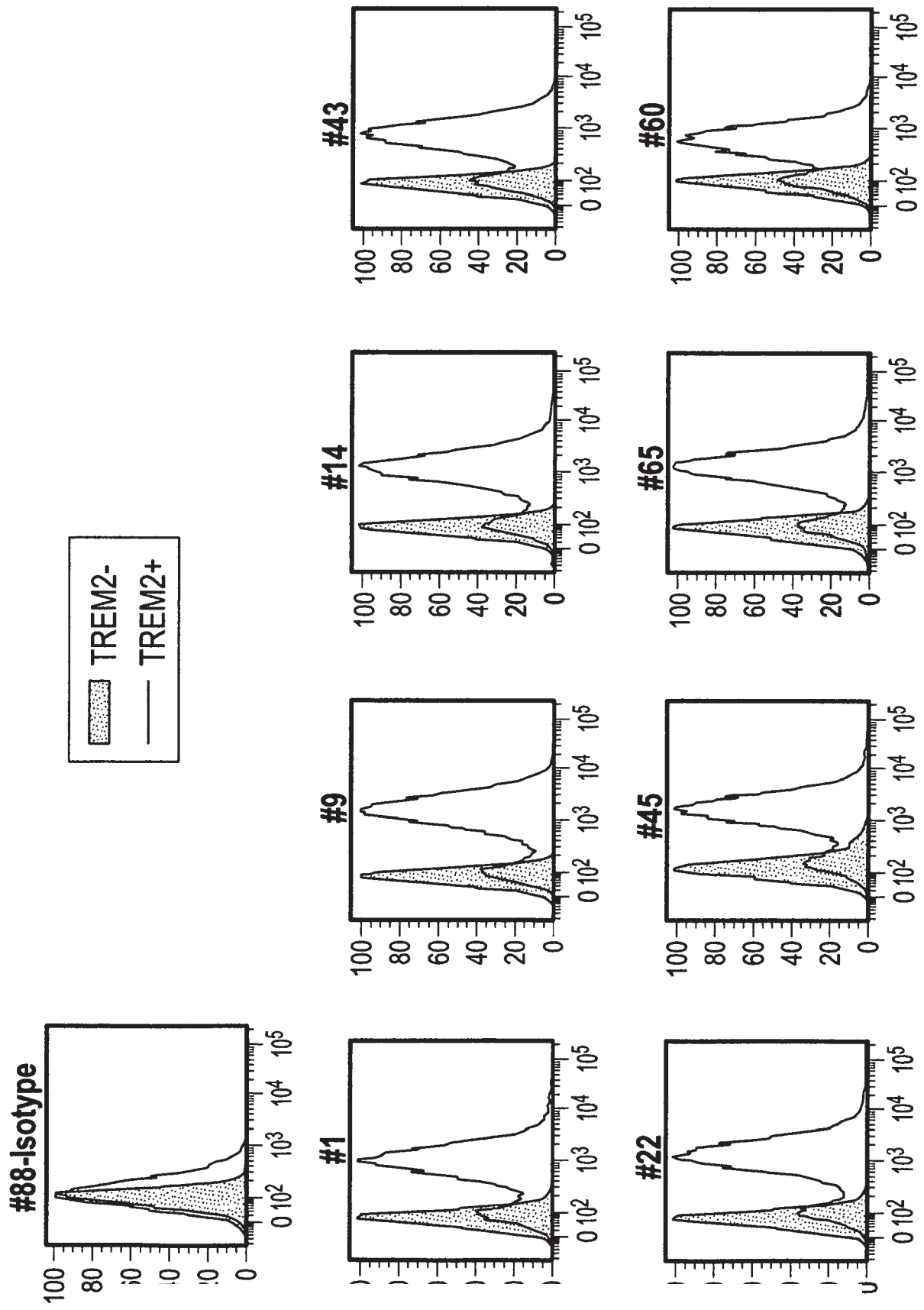


FIG. 22A

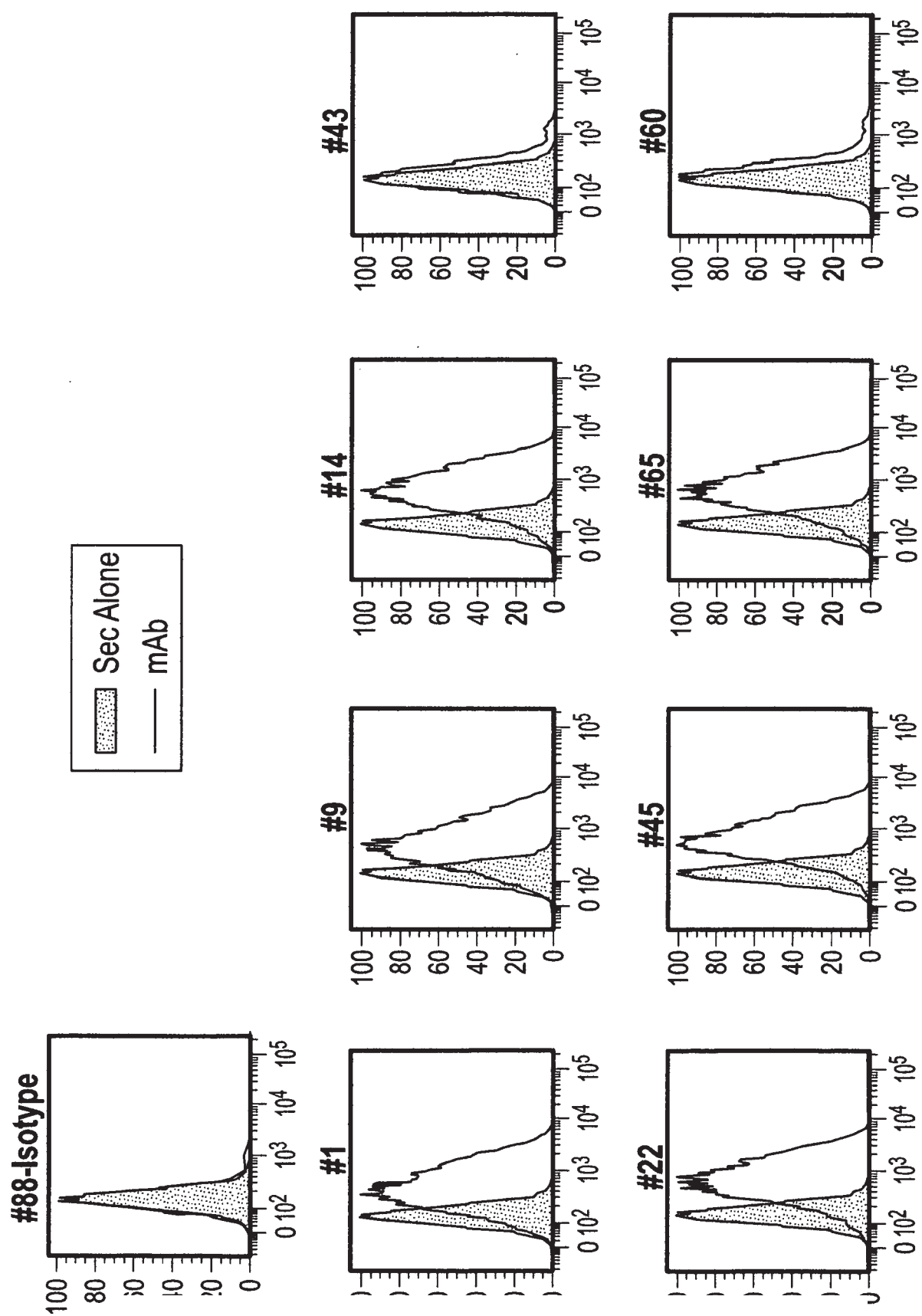
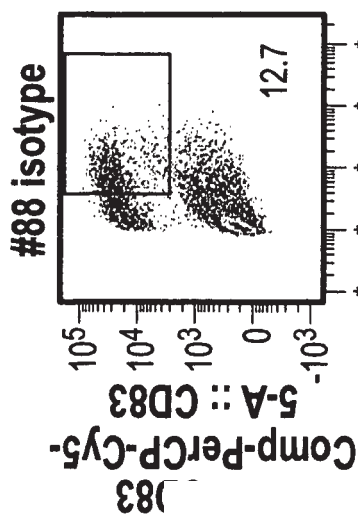
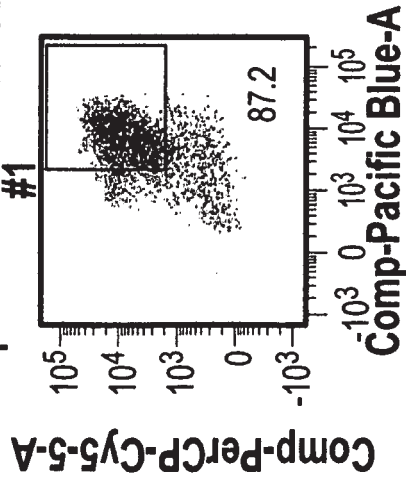
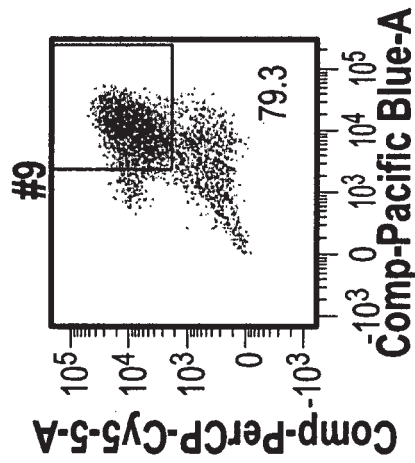
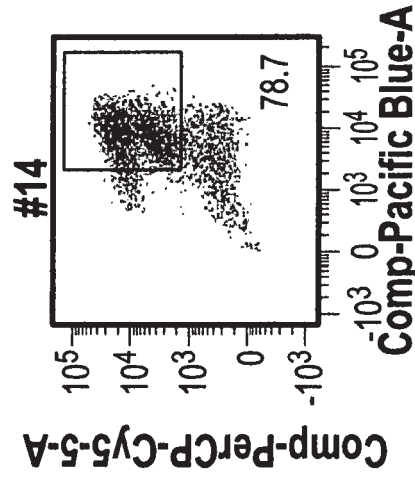
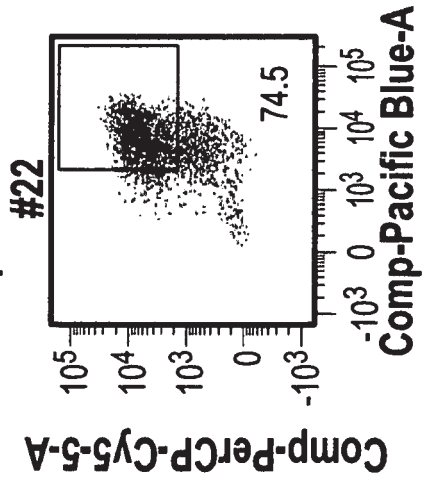
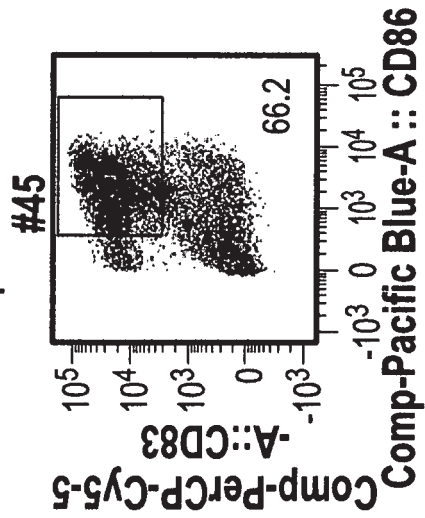
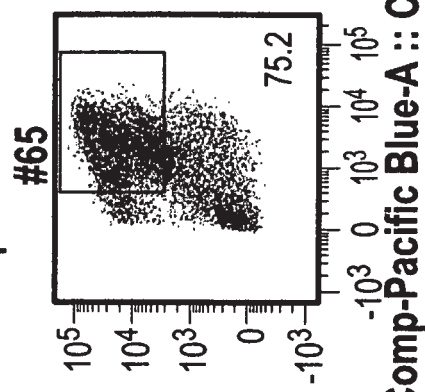


FIG. 22B

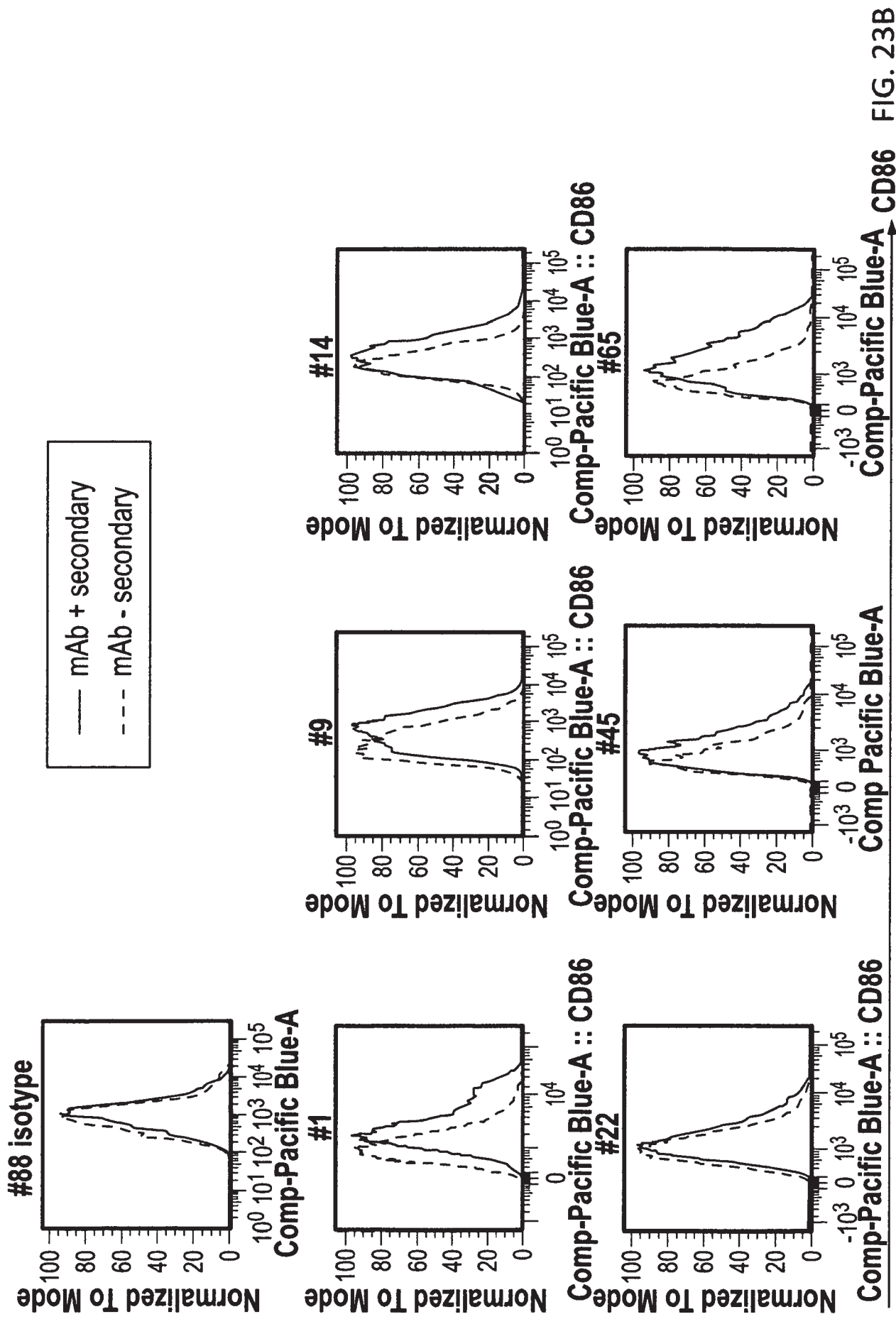


Comp-Pacific Blue-A :: CD86



Comp-Pacific Blue-A :: CD86

CD86 FIG. 23A



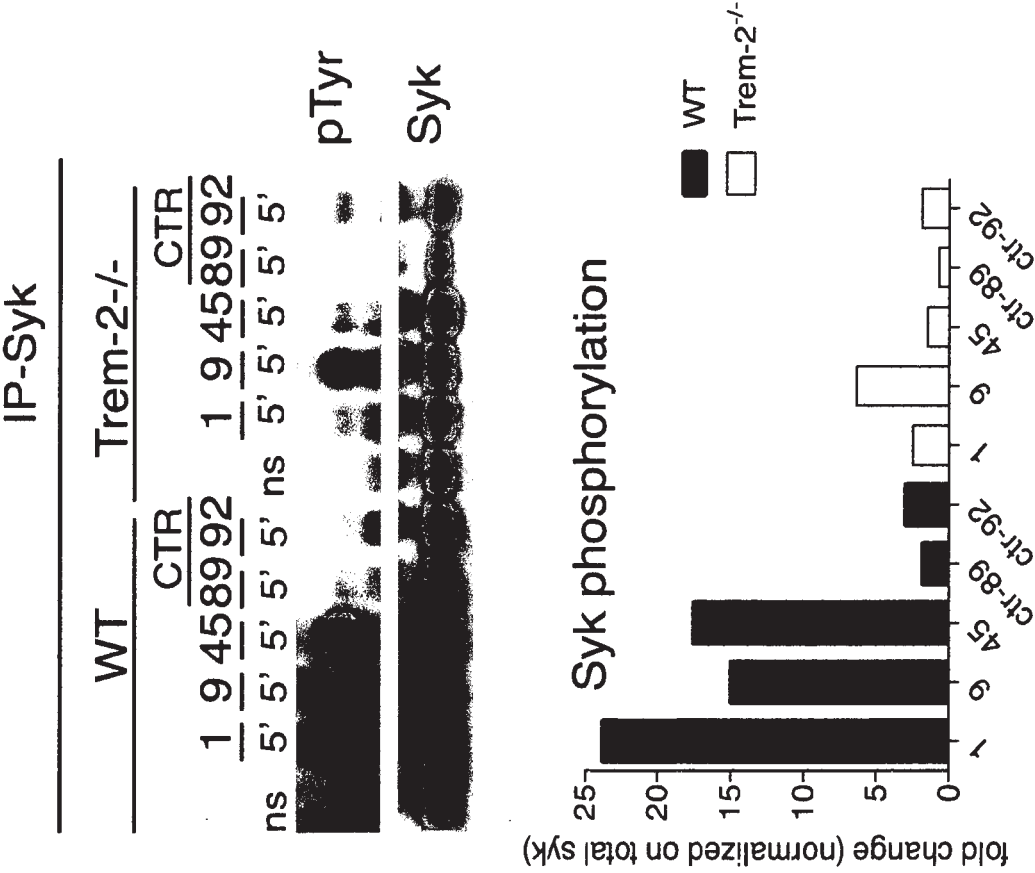


FIG. 24A

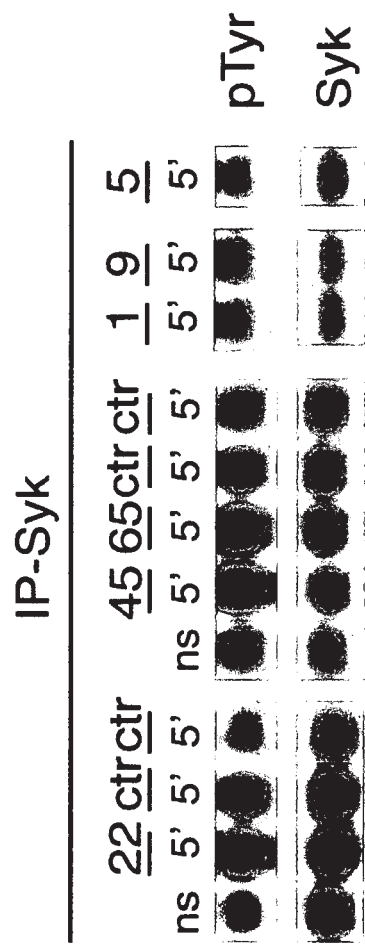
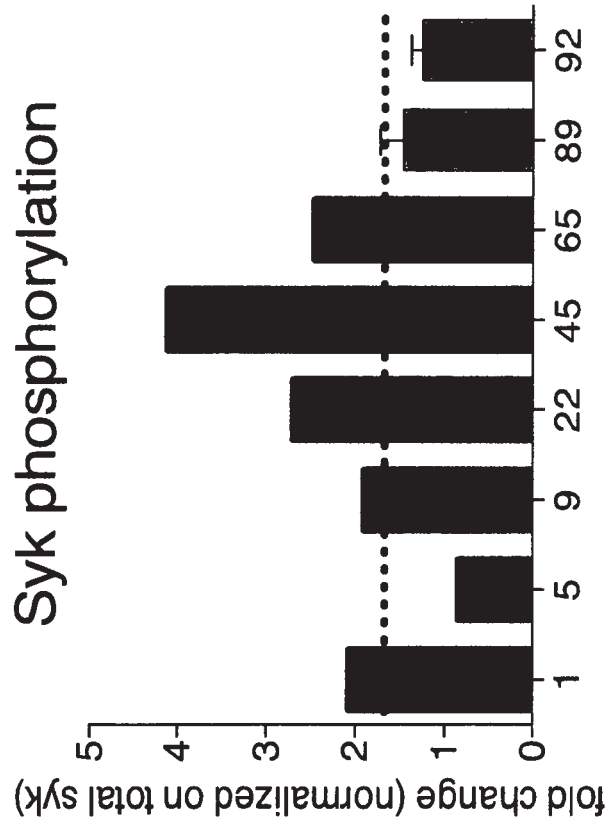


FIG. 24C

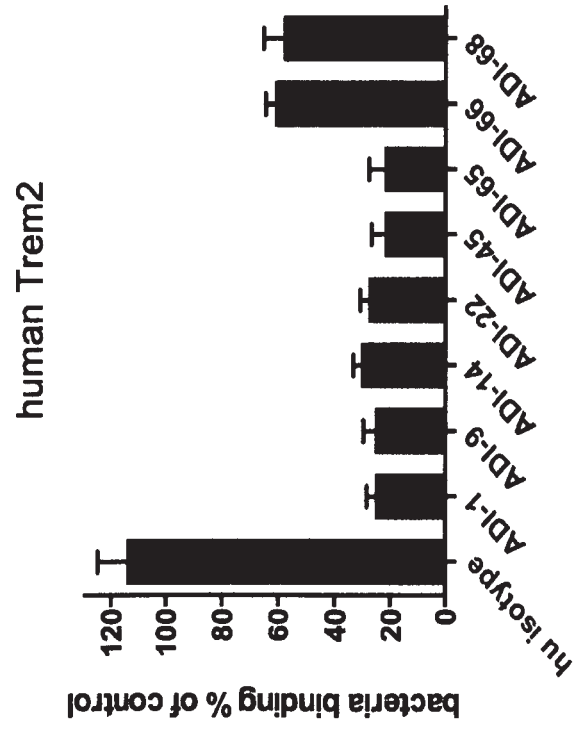
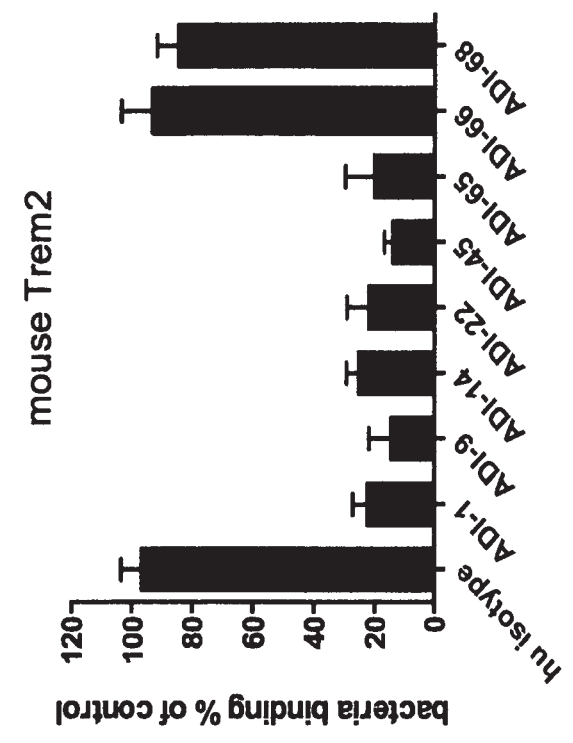


FIG. 25

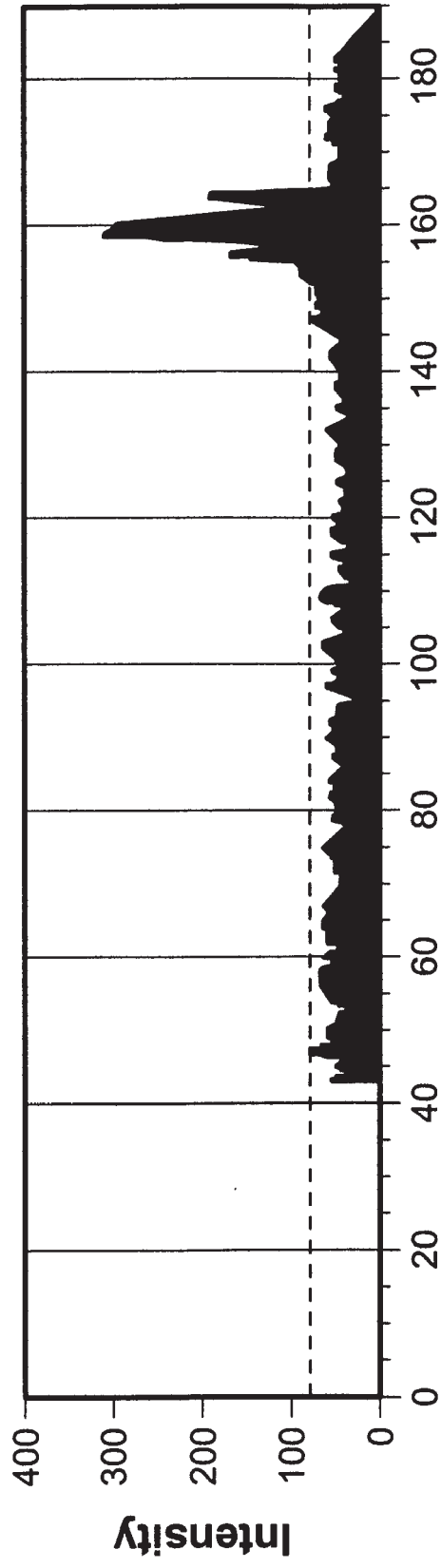


FIG. 27A

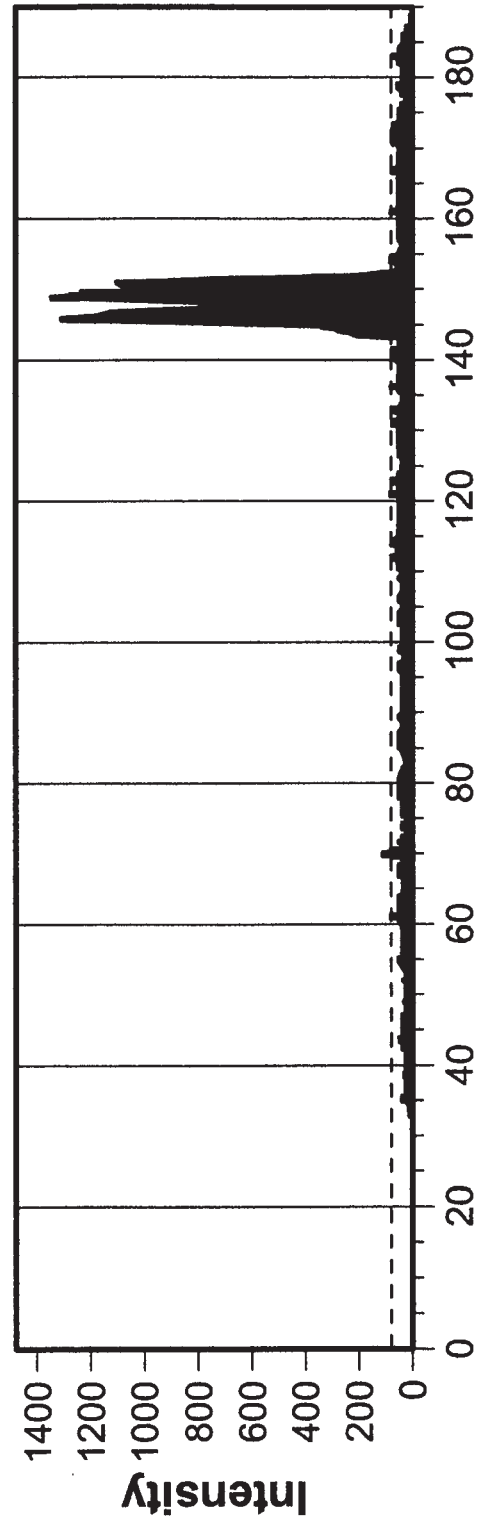


FIG. 27B

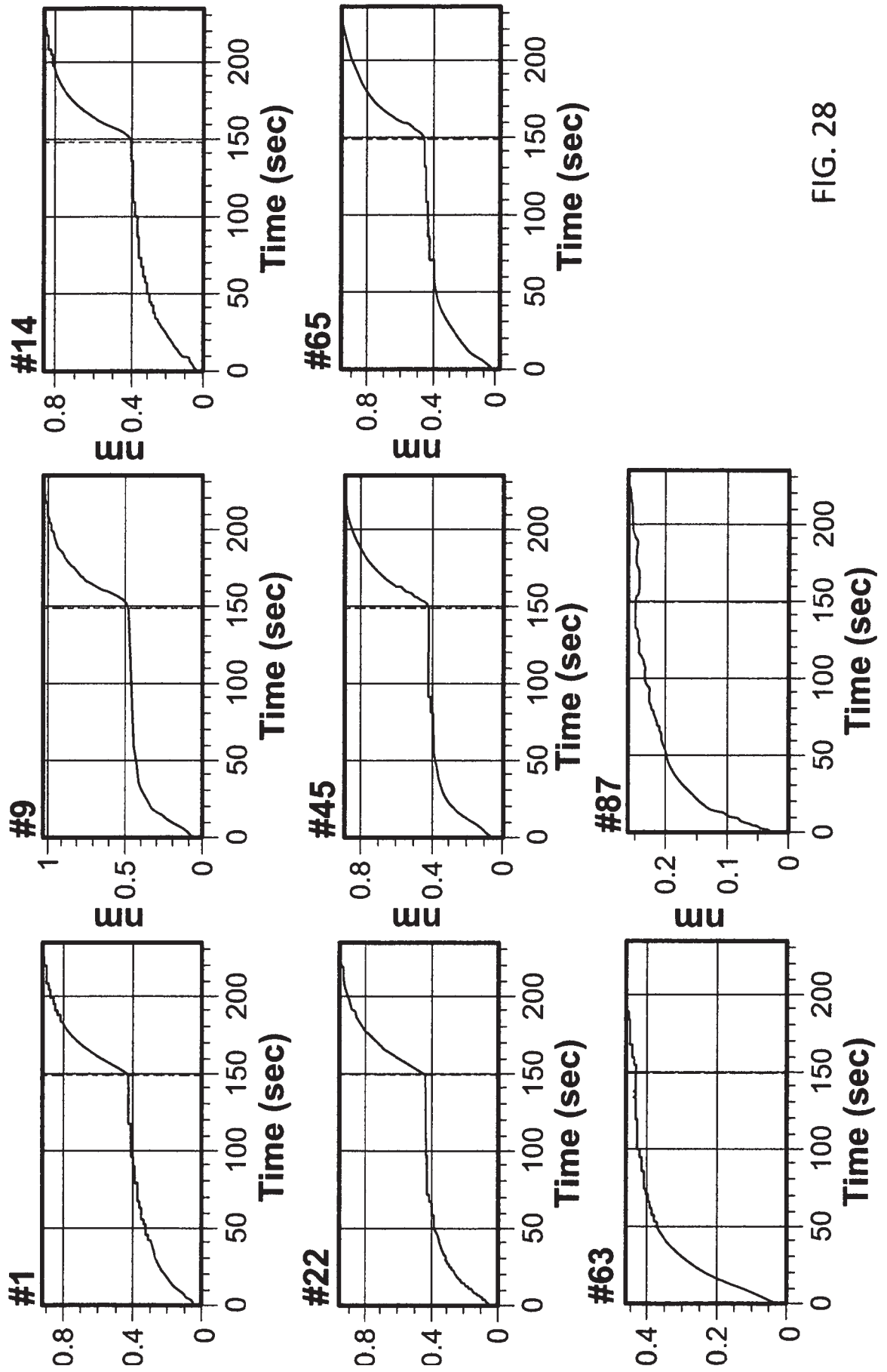


FIG. 28

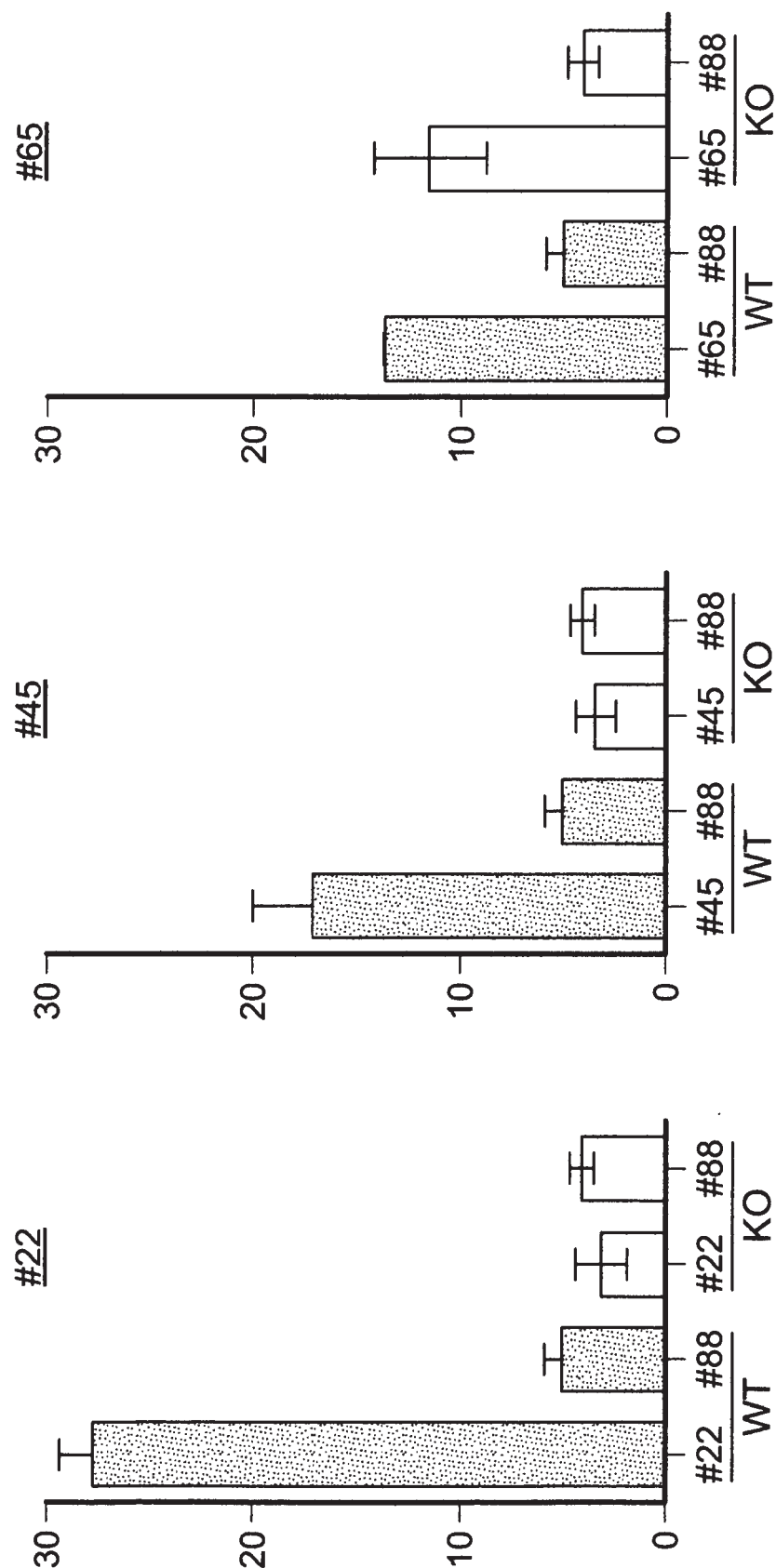


FIG. 29

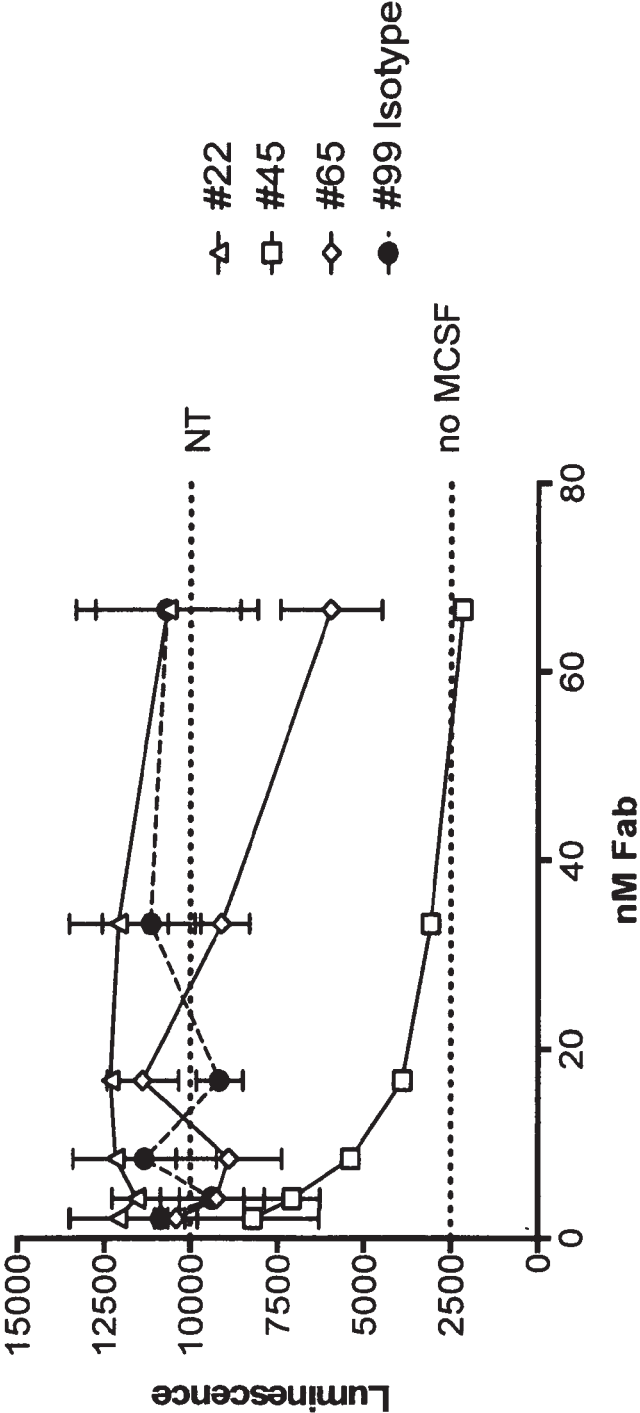


FIG. 30A

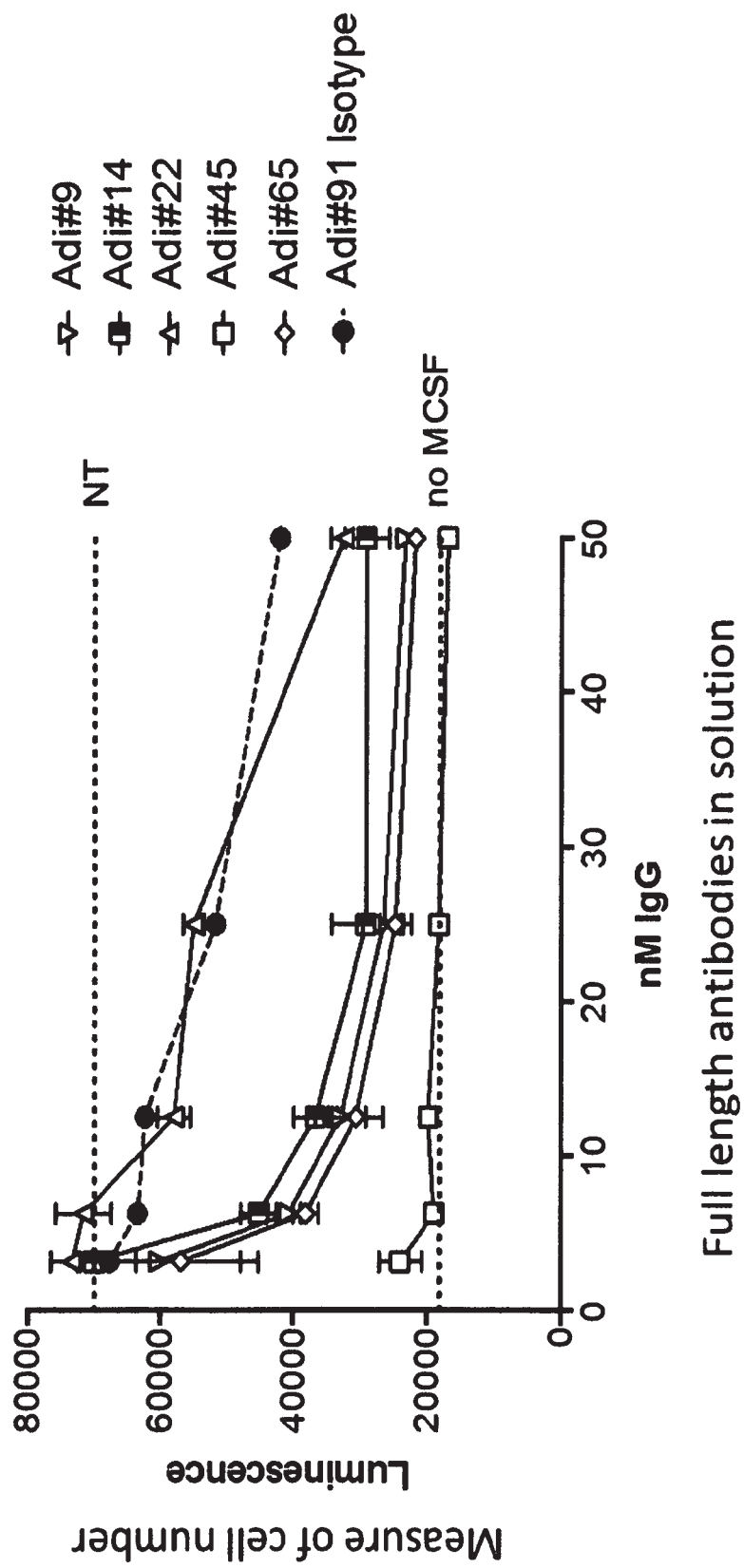


FIG. 30B

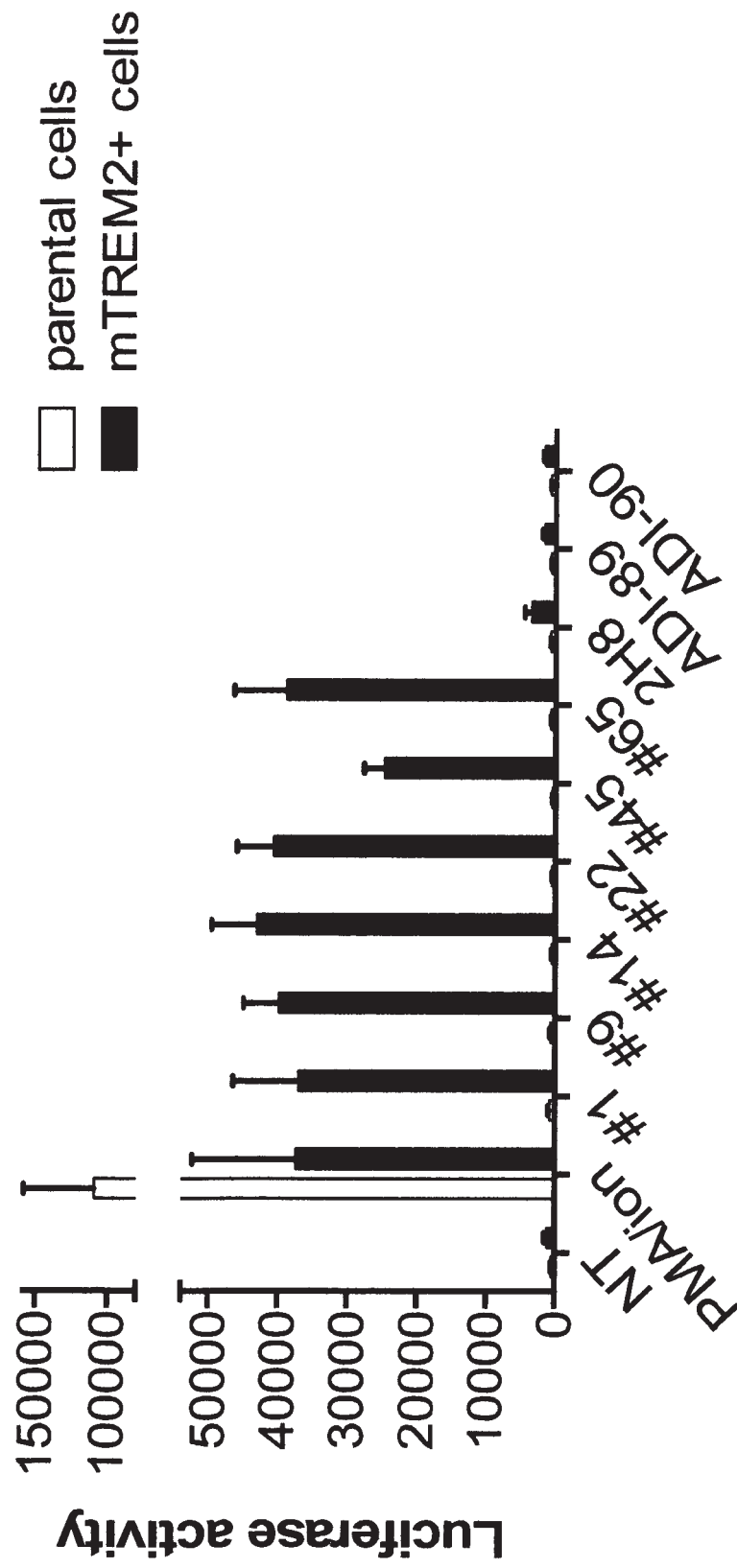


FIG. 31A

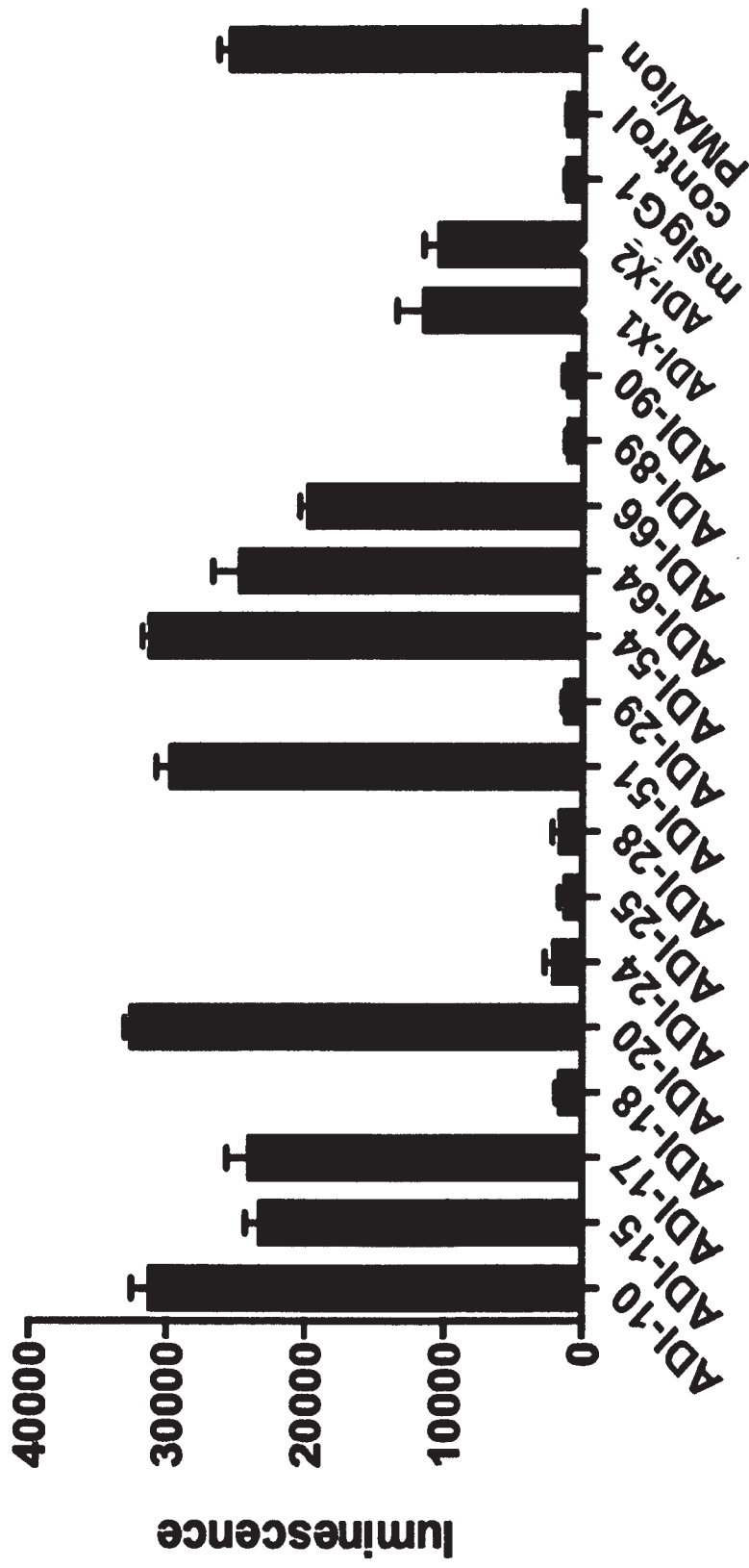


FIG. 31B

Plate Bound Phosphatidylserine (PS) With Bovine Serum Albumin

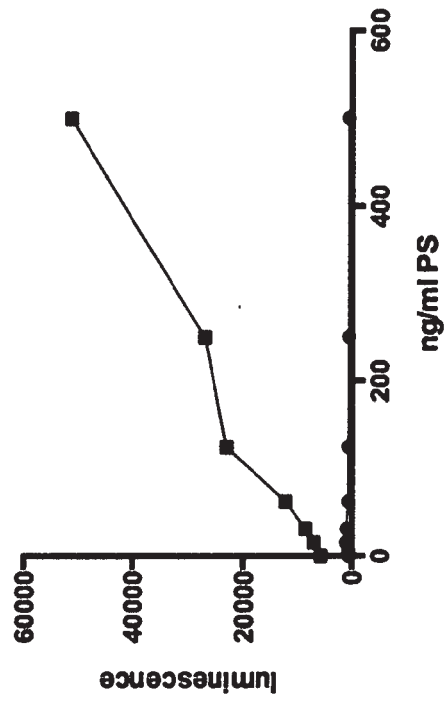


Plate Bound Phosphatidylserine (PS)

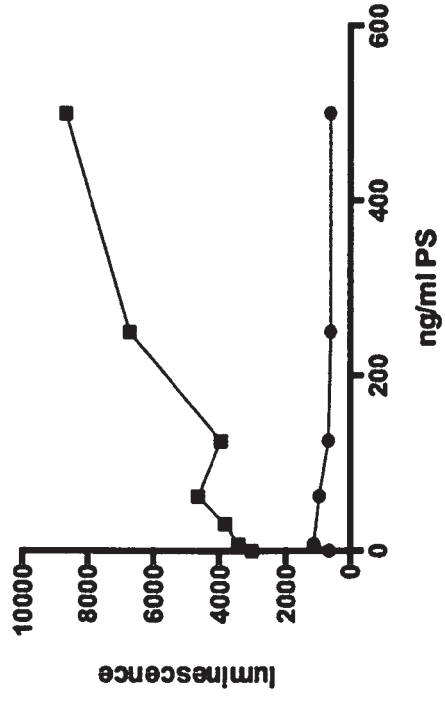


FIG. 31C

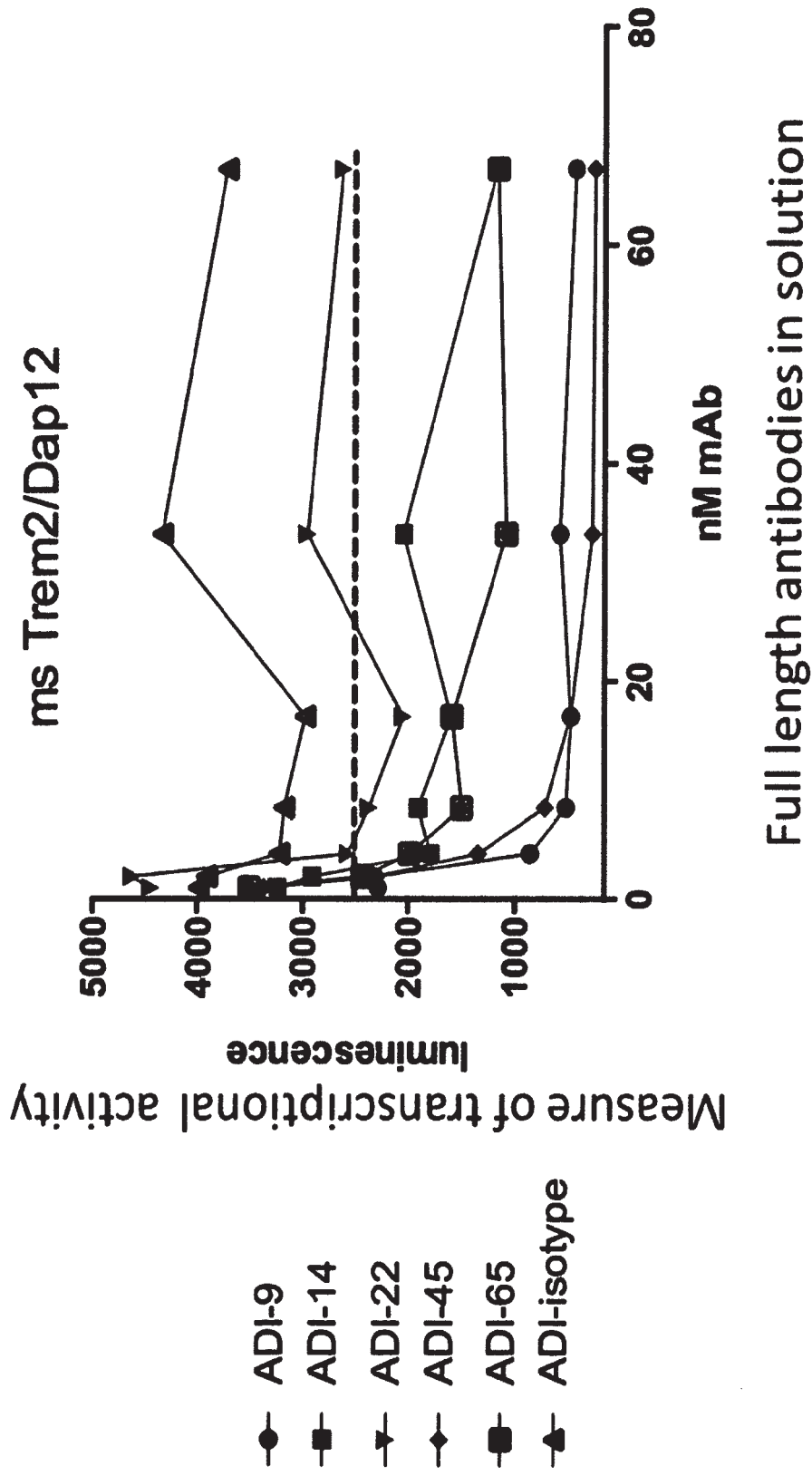


FIG. 32

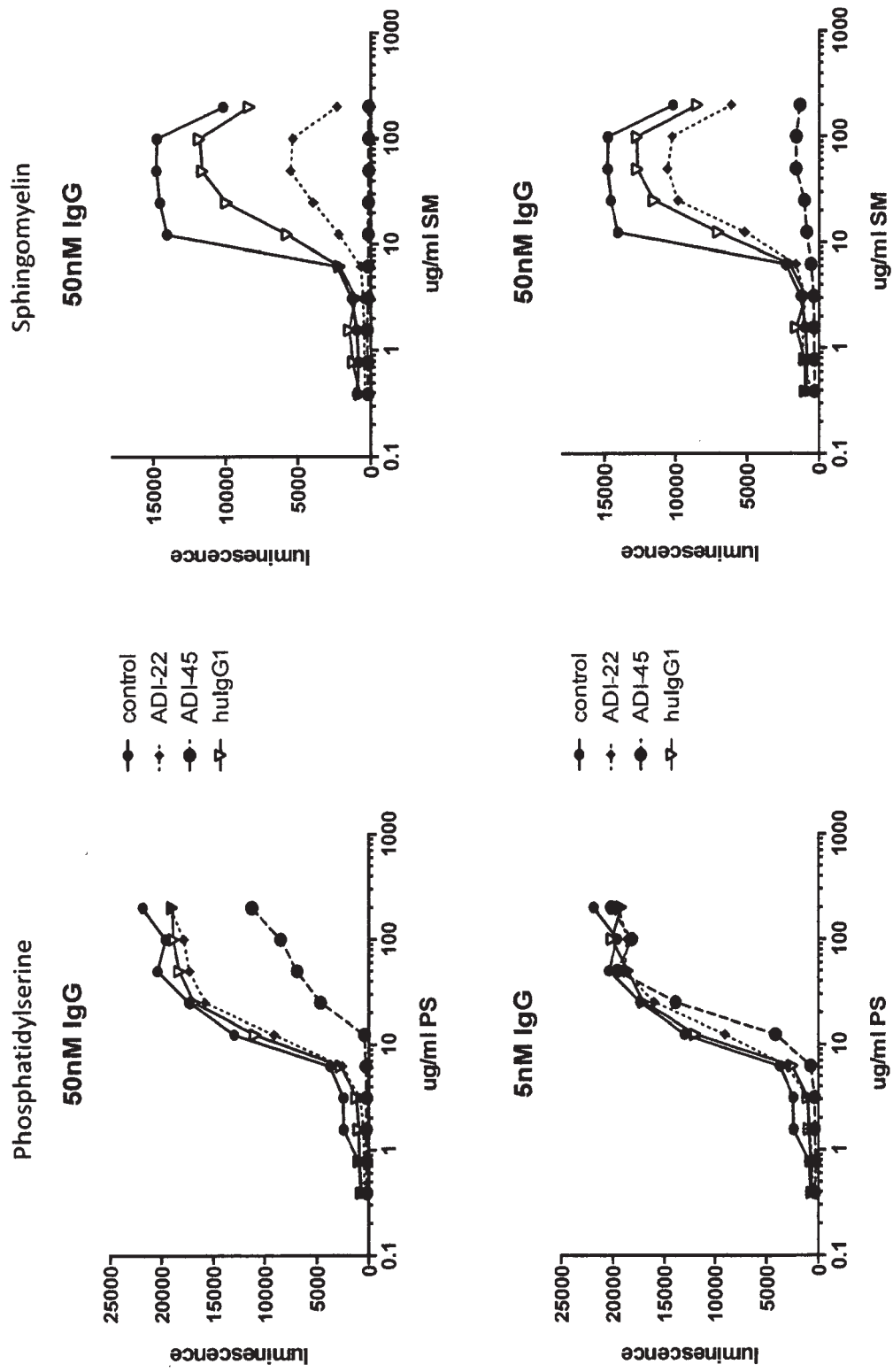


FIG. 33

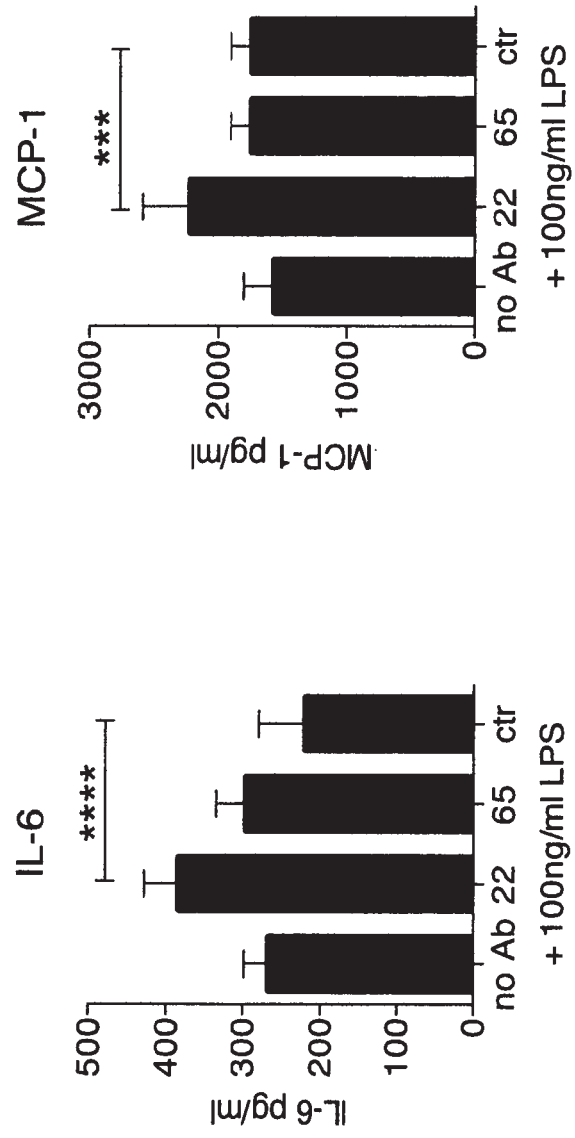


FIG. 34A

FIG. 34B