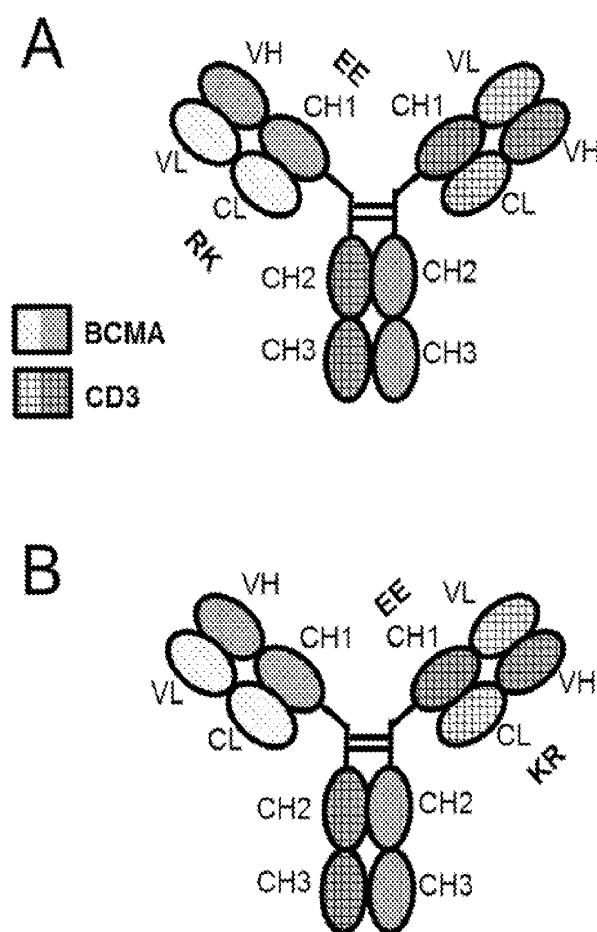


Fig. 1



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Fig. 2

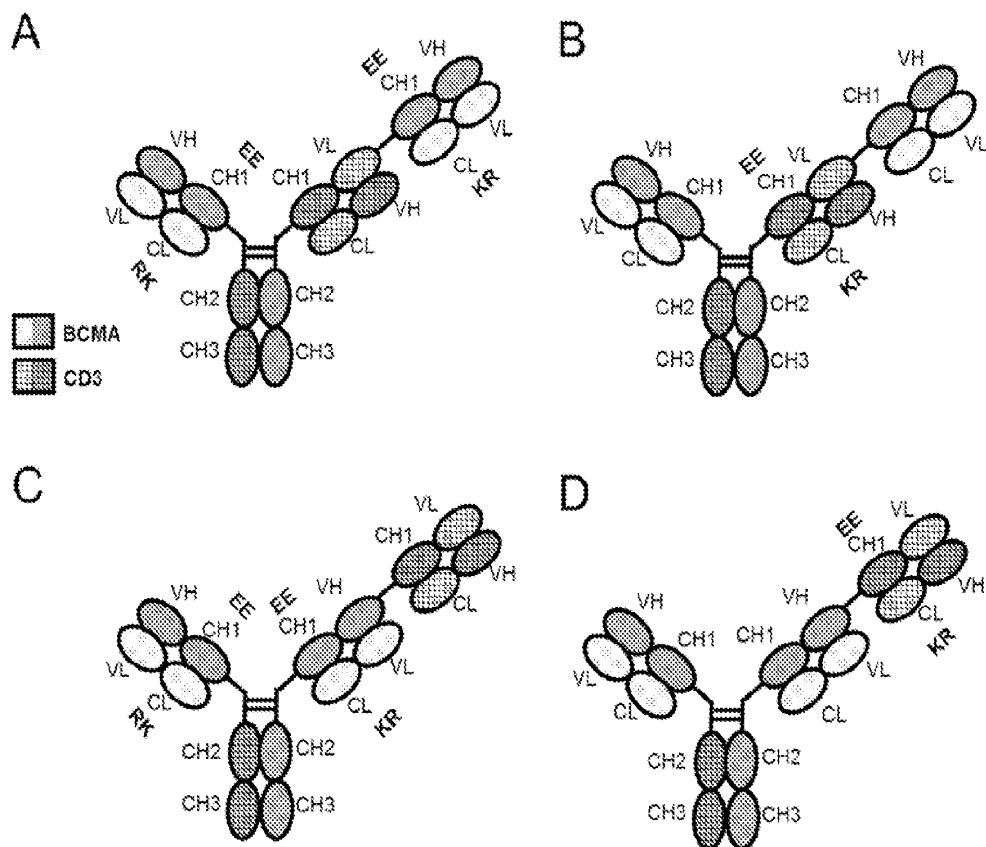


Fig. 3

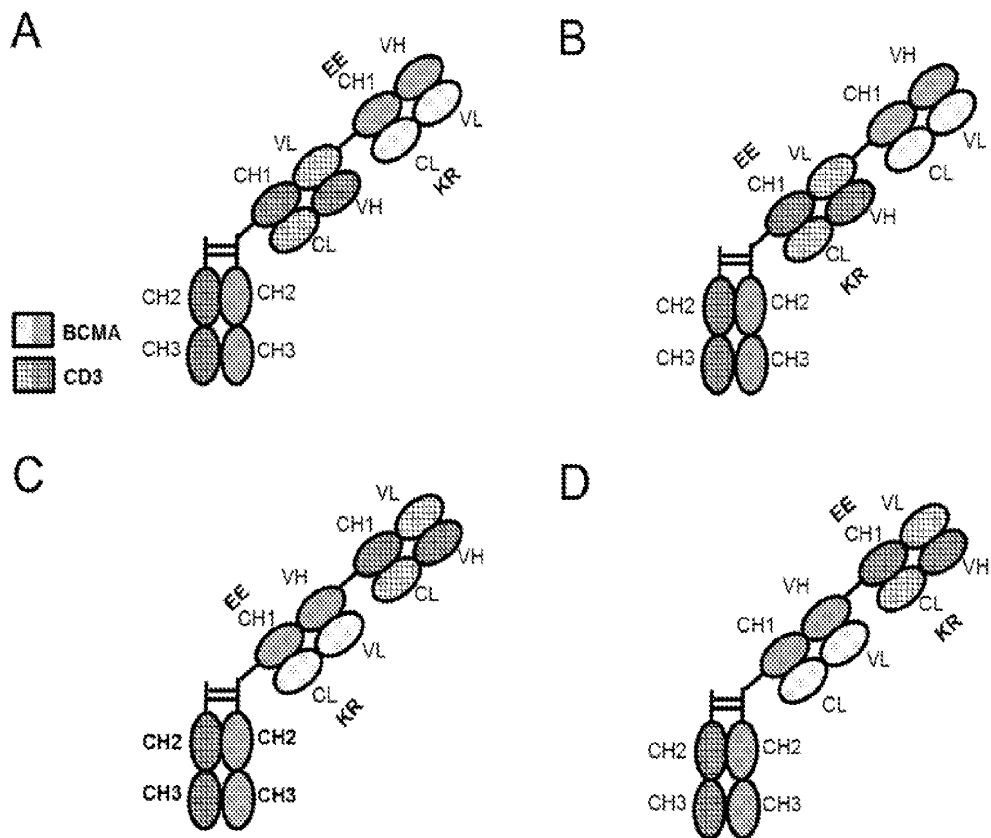


Fig. 4

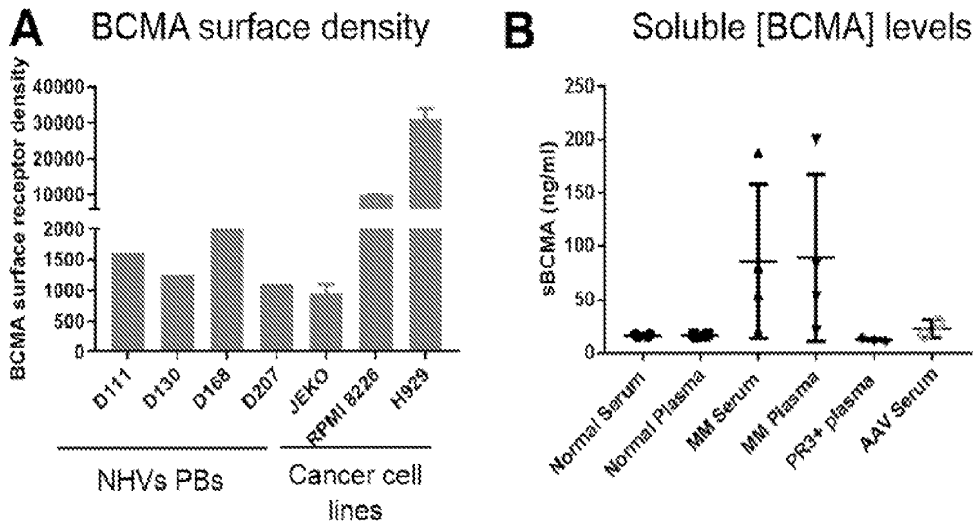
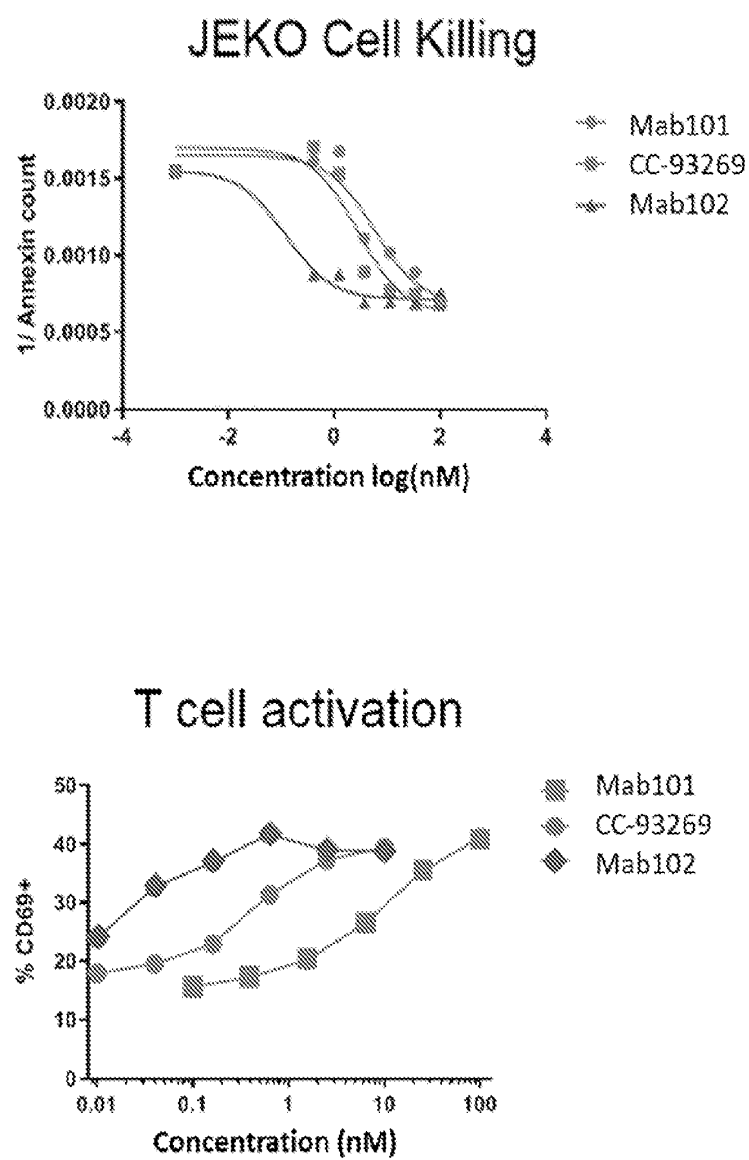
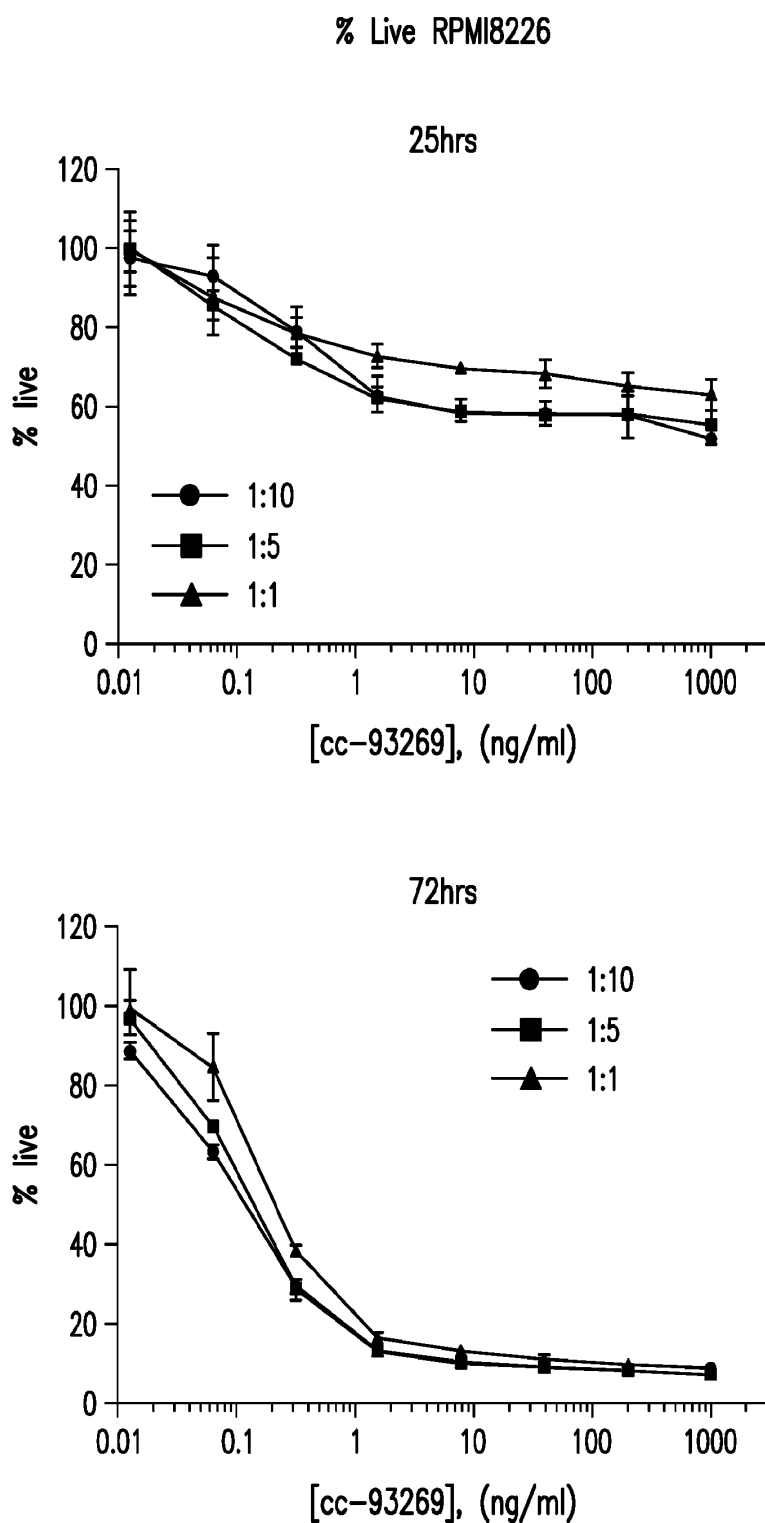


Fig. 5



**Fig. 6A**

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% CD69+ CD8 25hrs

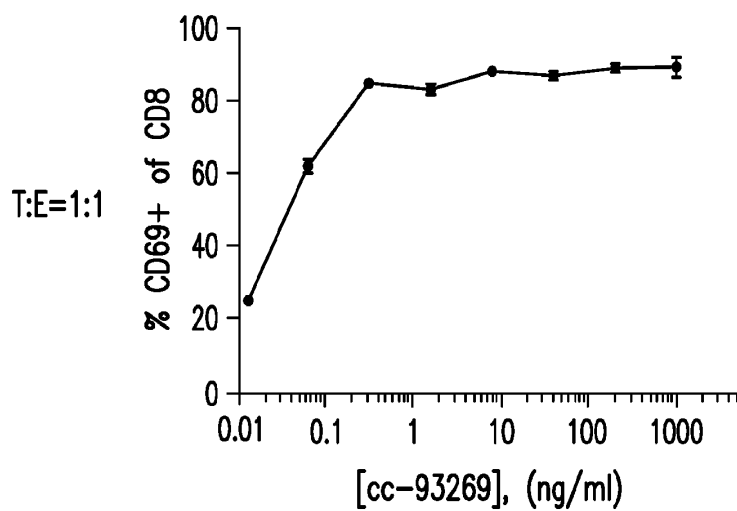
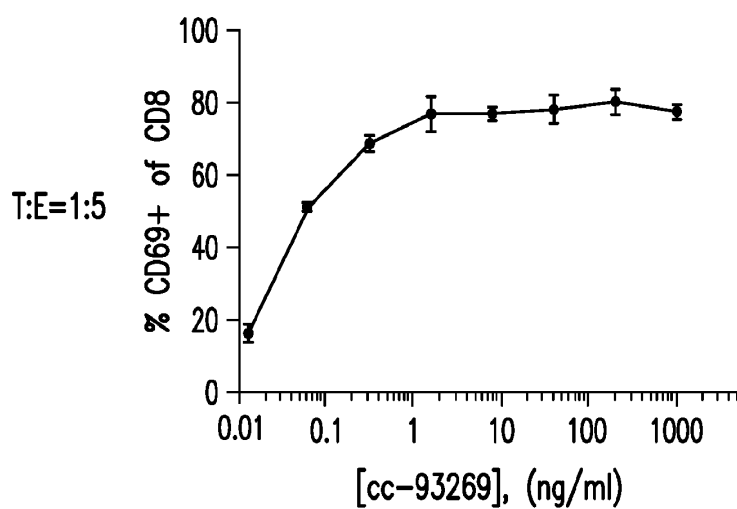
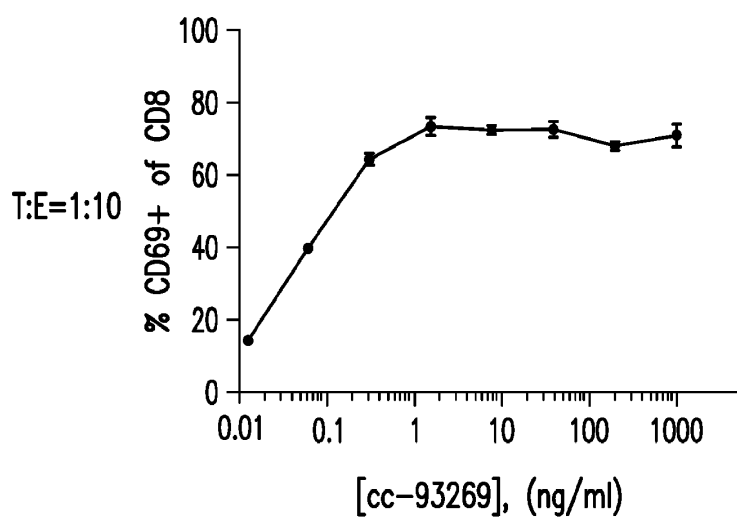
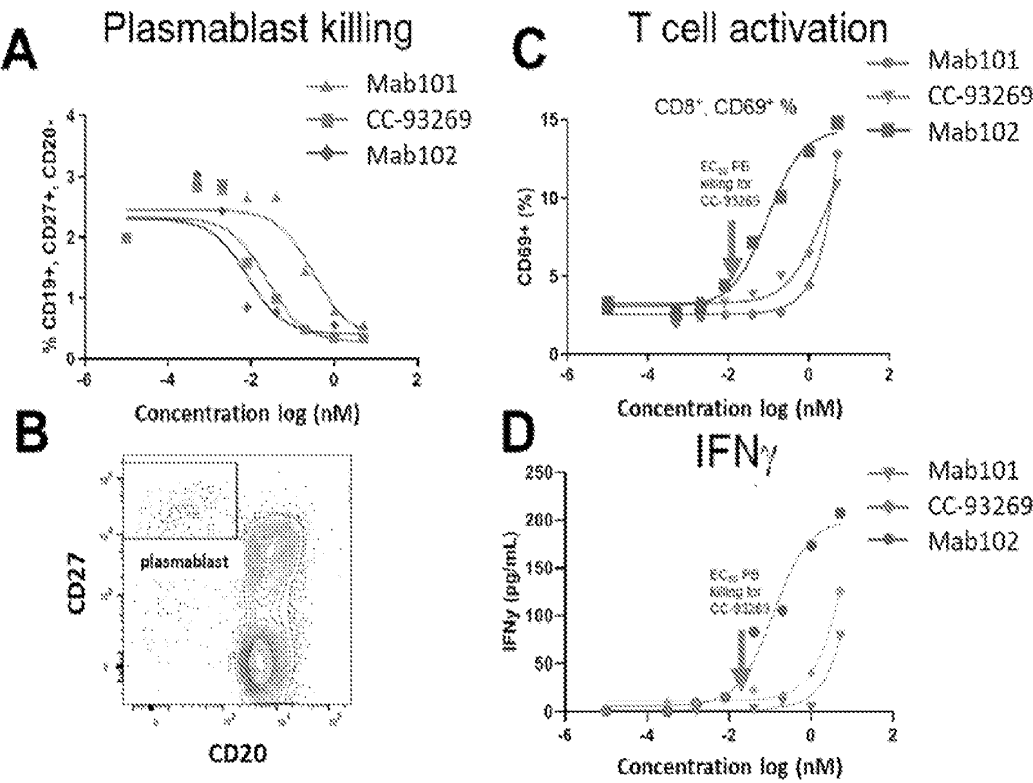


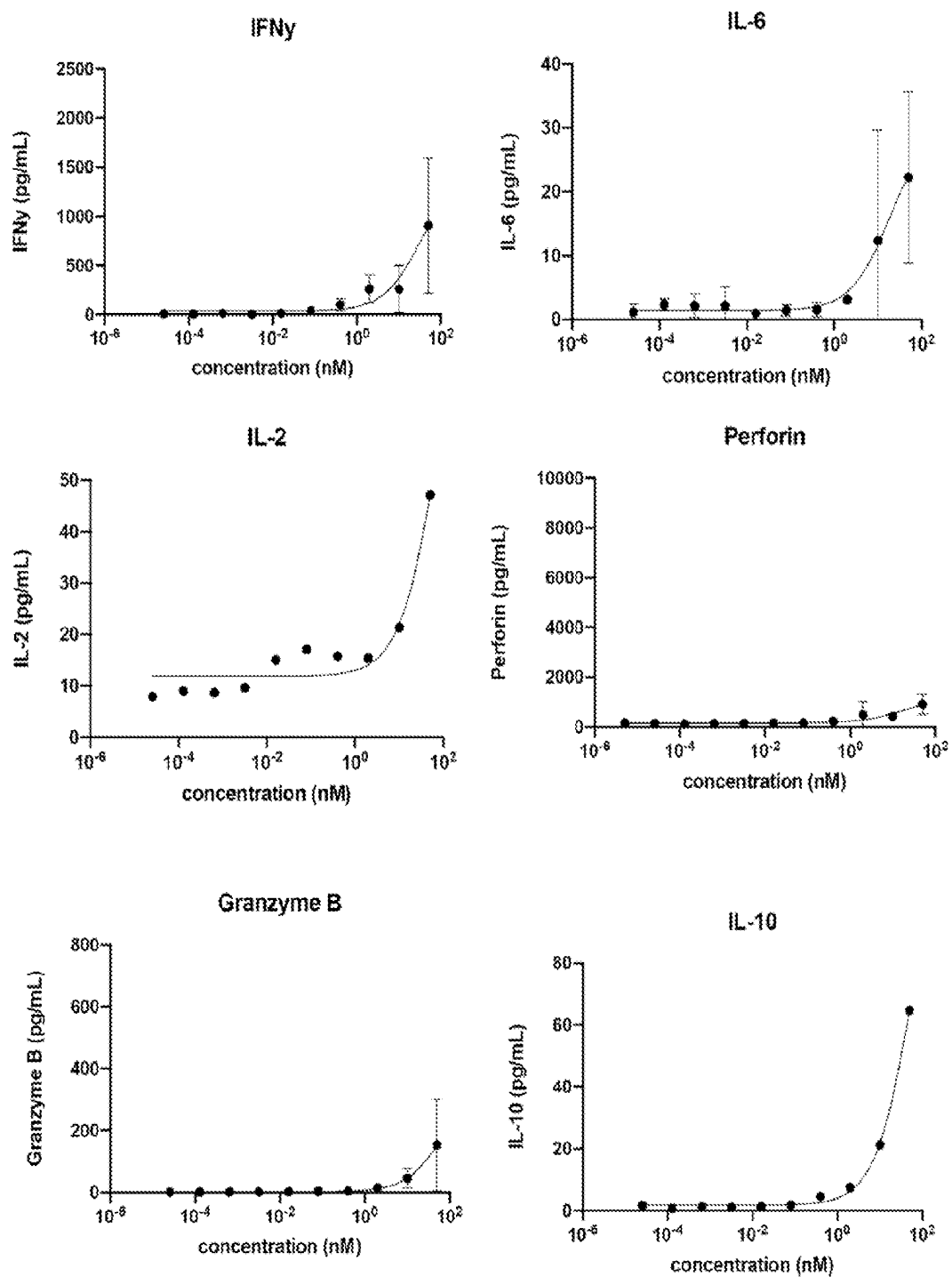
Fig. 6B

Fig. 7



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Fig. 8



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Fig. 9

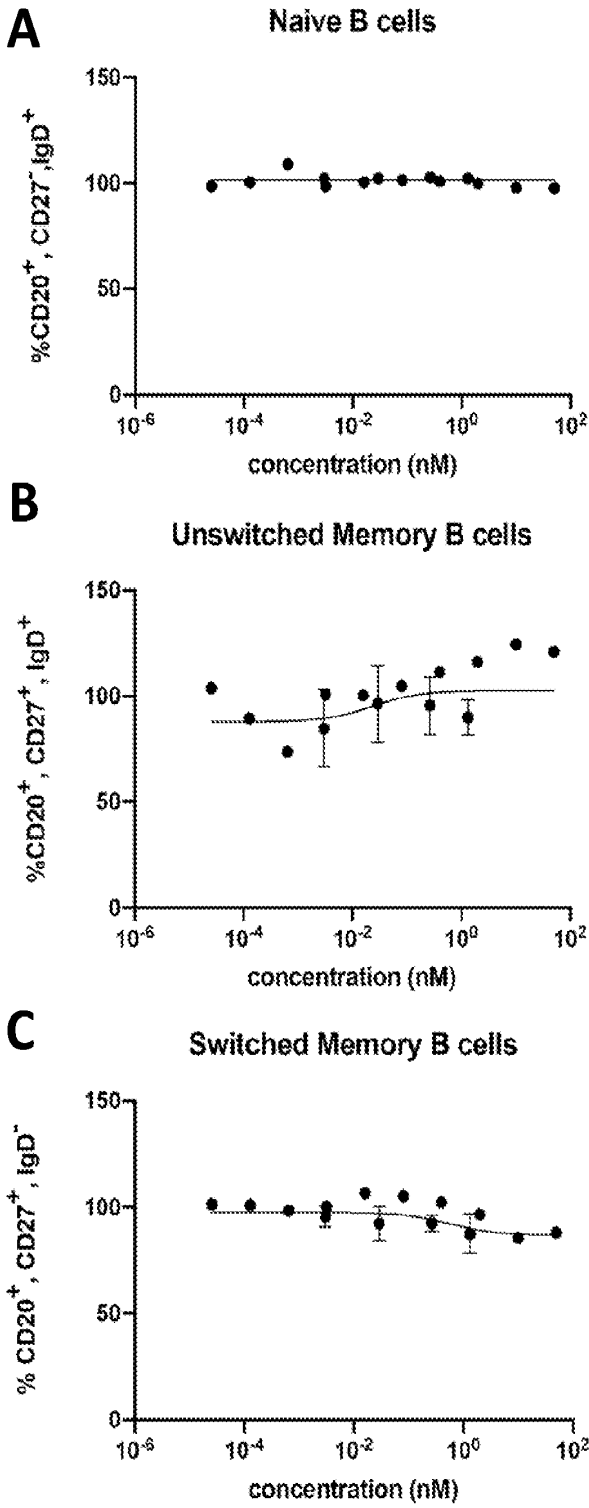
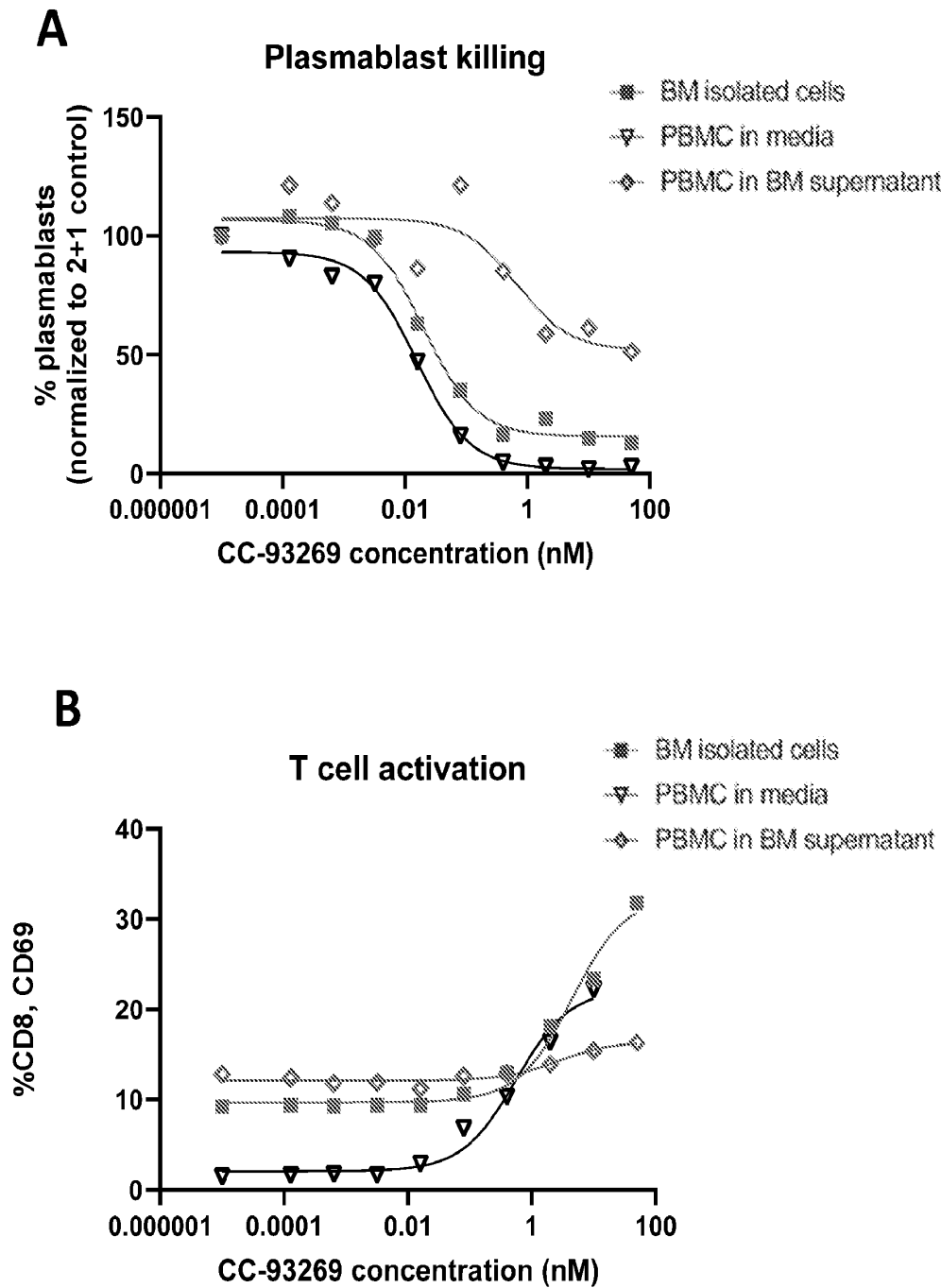


Fig. 10



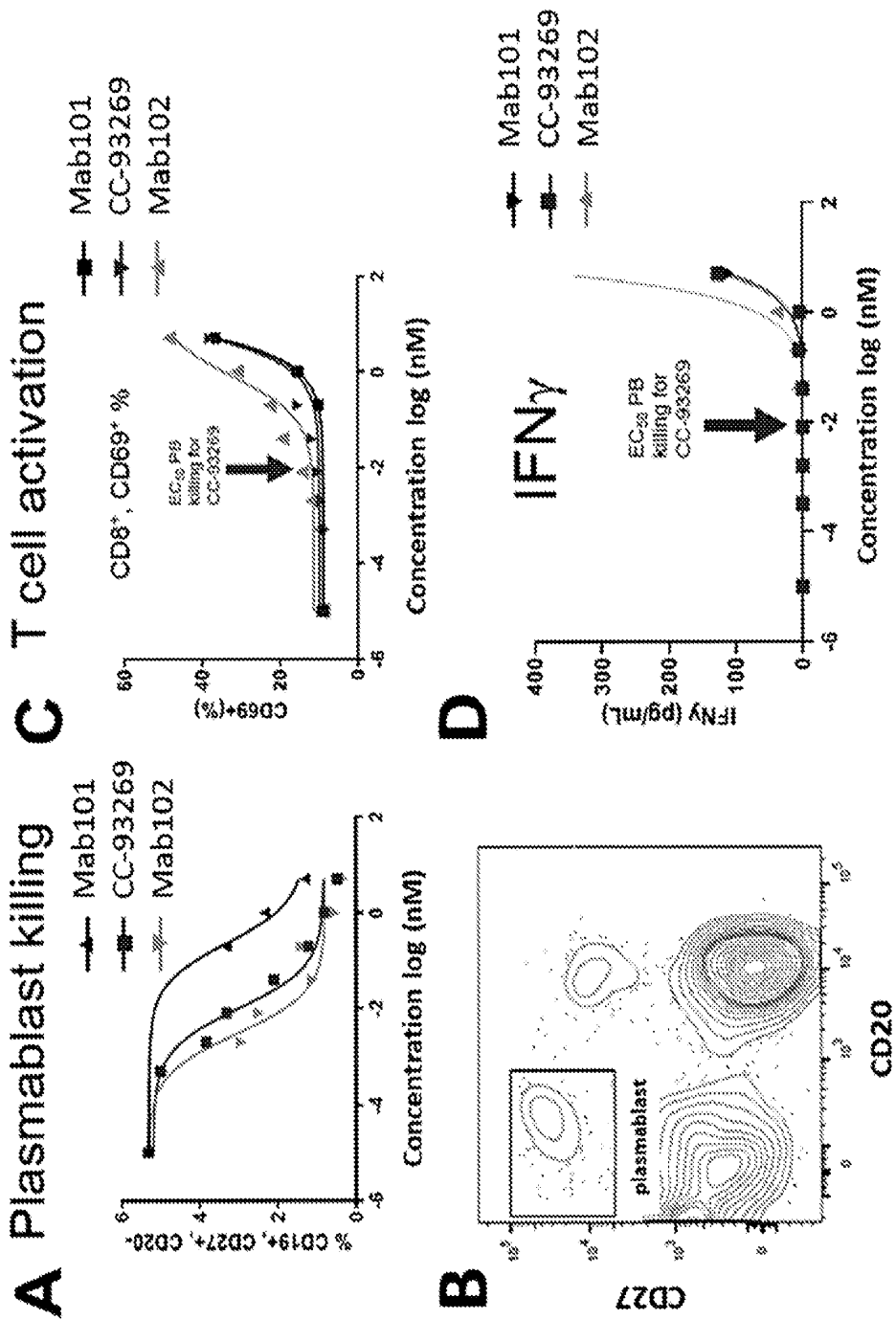
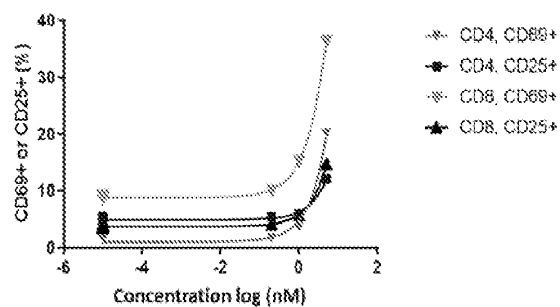
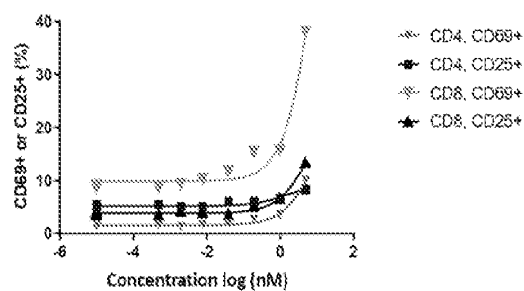
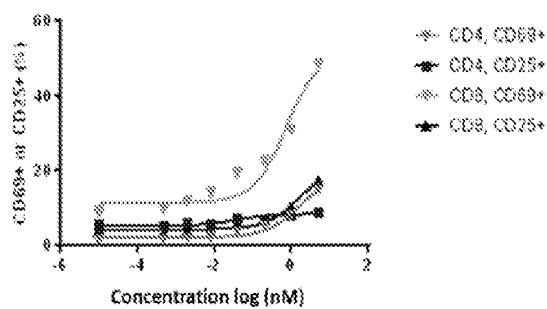


Fig. 11

Fig. 12

A**T cell activation in AAV1 with Mab101****B****T cell activation in AAV1 with CC-93269****C****T cell activation in AAV1 with Mab102**

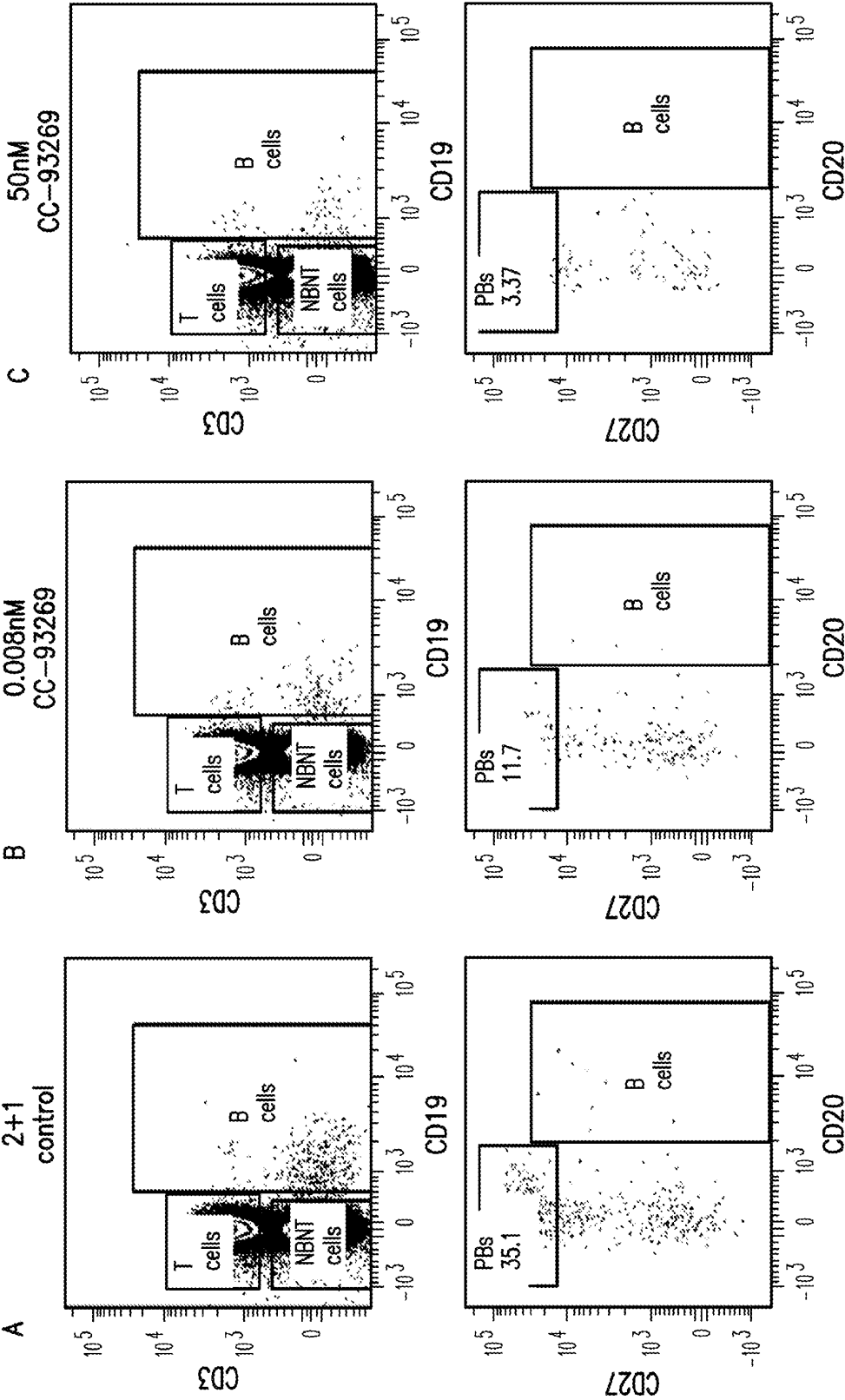


Fig. 13

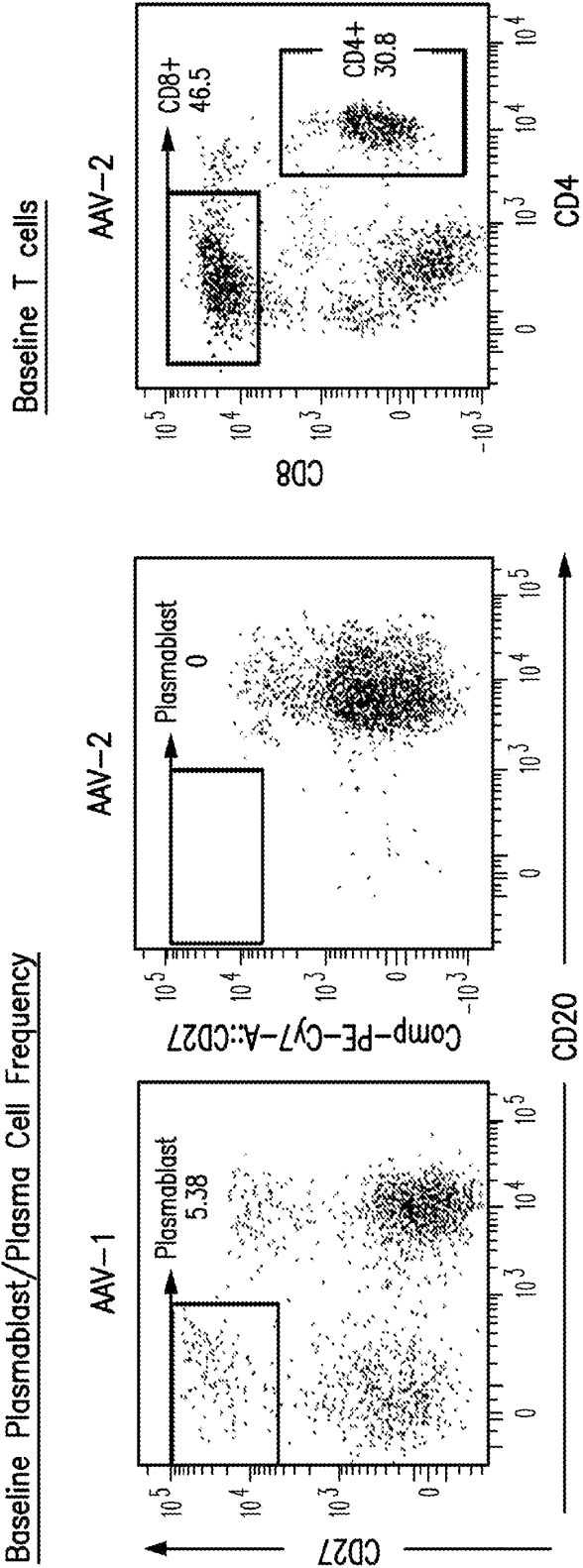


Fig. 14A

Fig. 14B

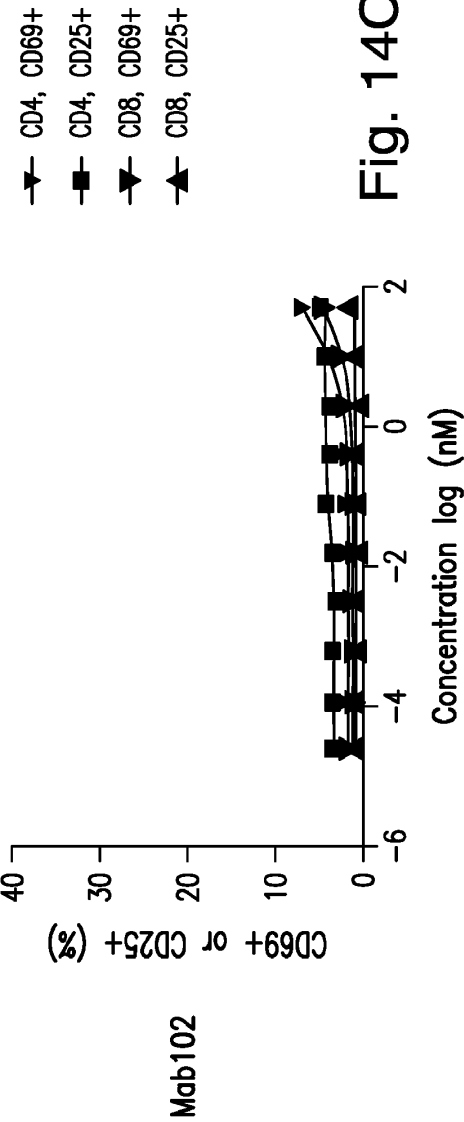
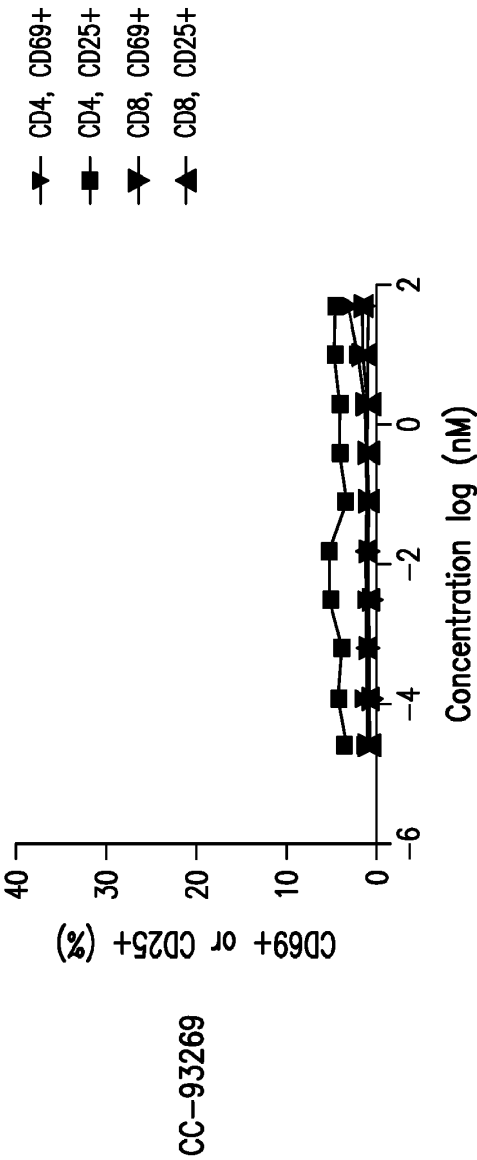


Fig. 14C

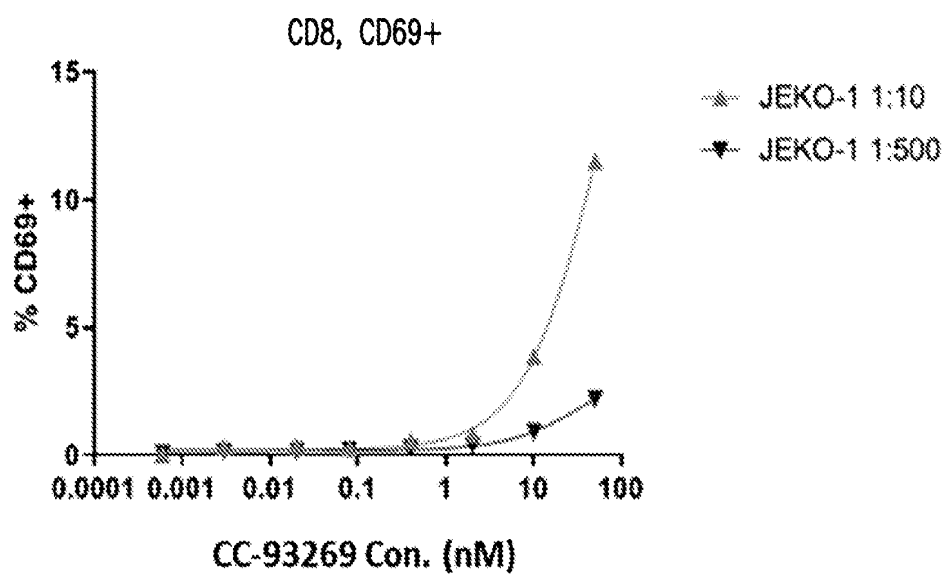
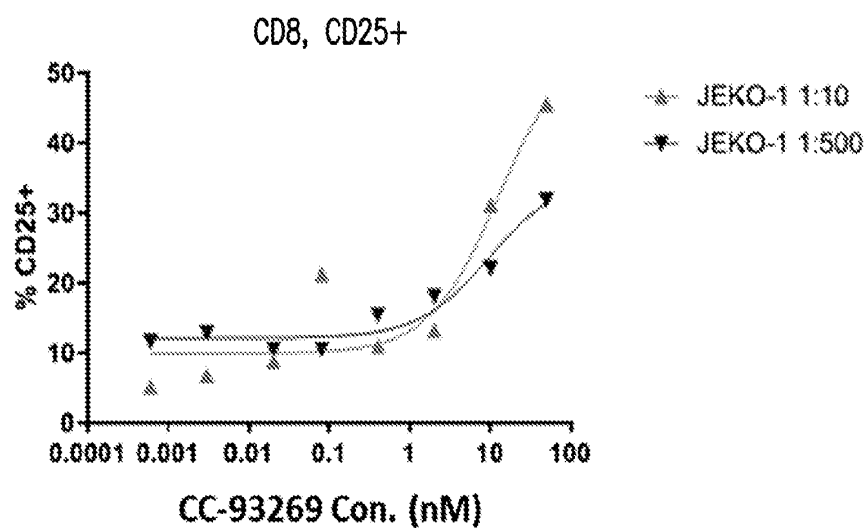
A**B**

Fig. 15

Mab102

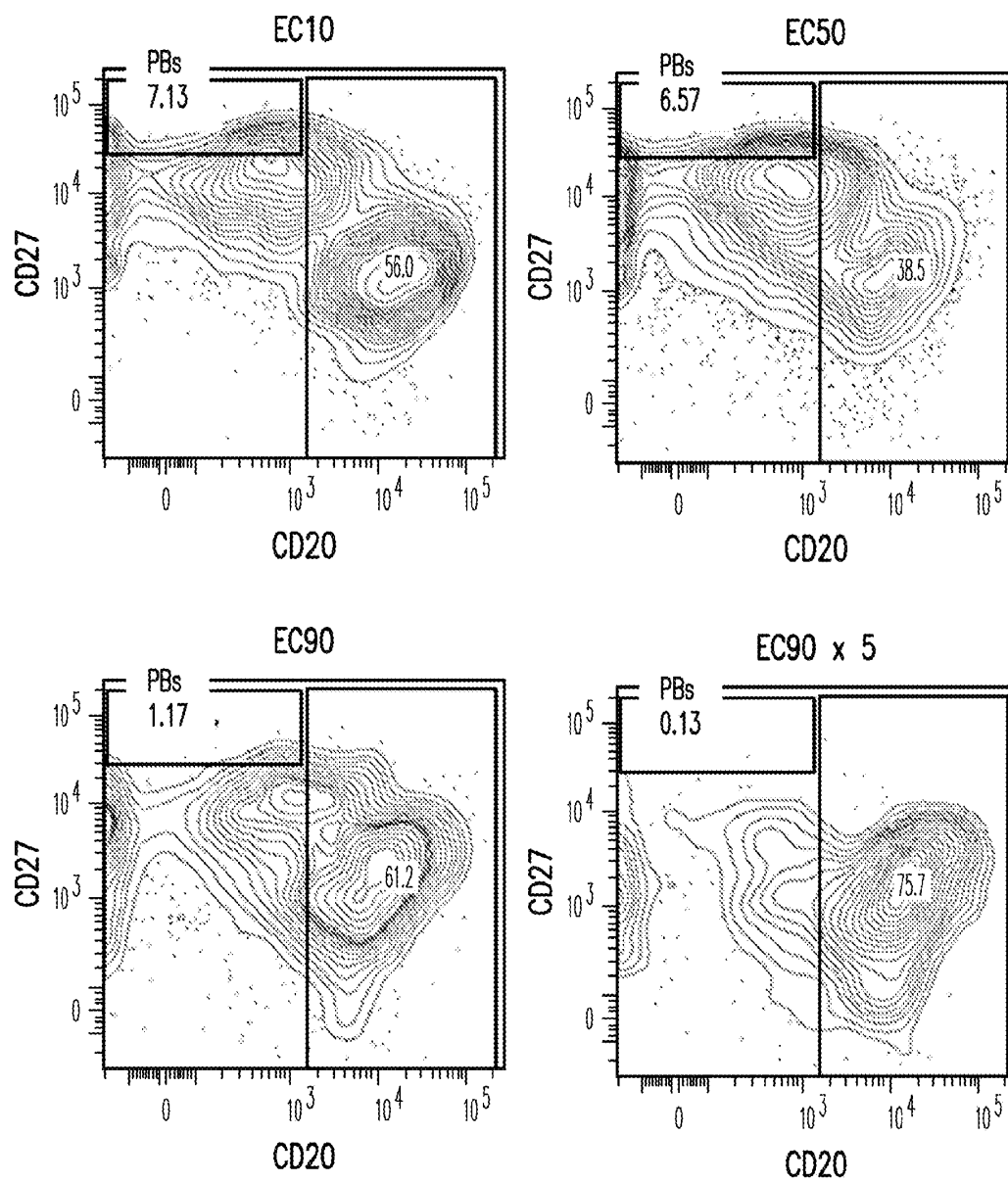


Fig. 16A

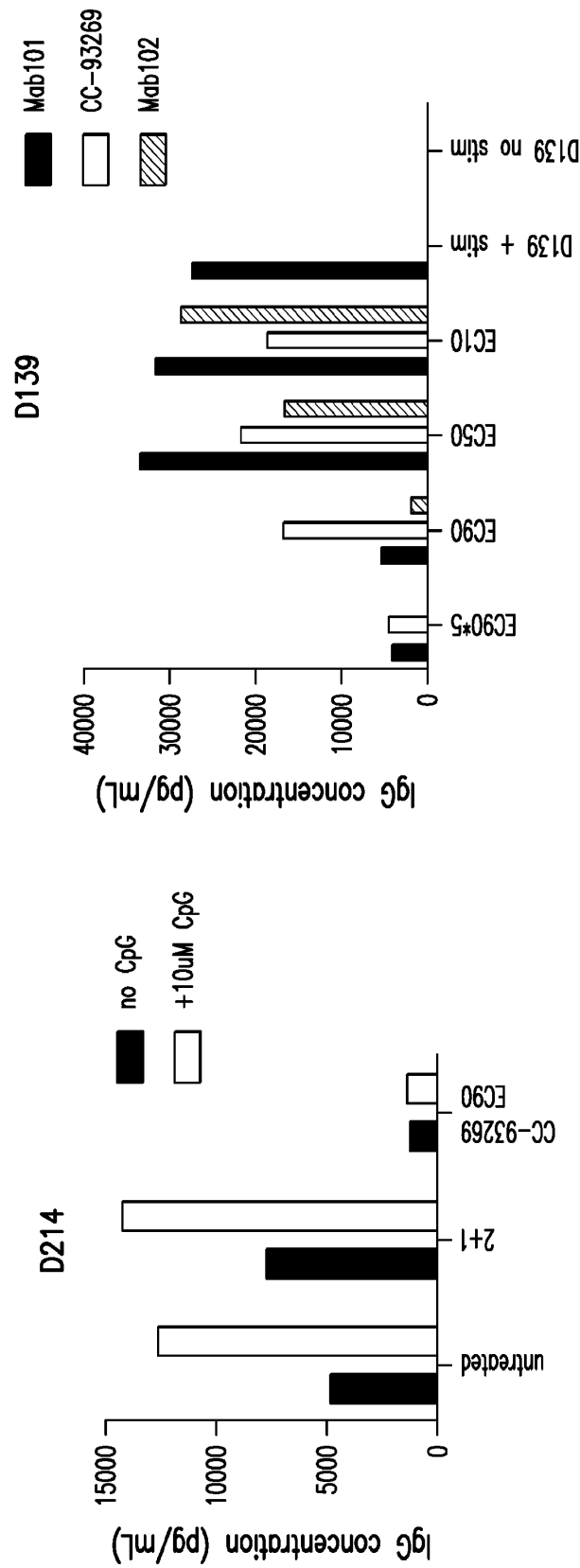


Fig. 16B

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Fig. 17

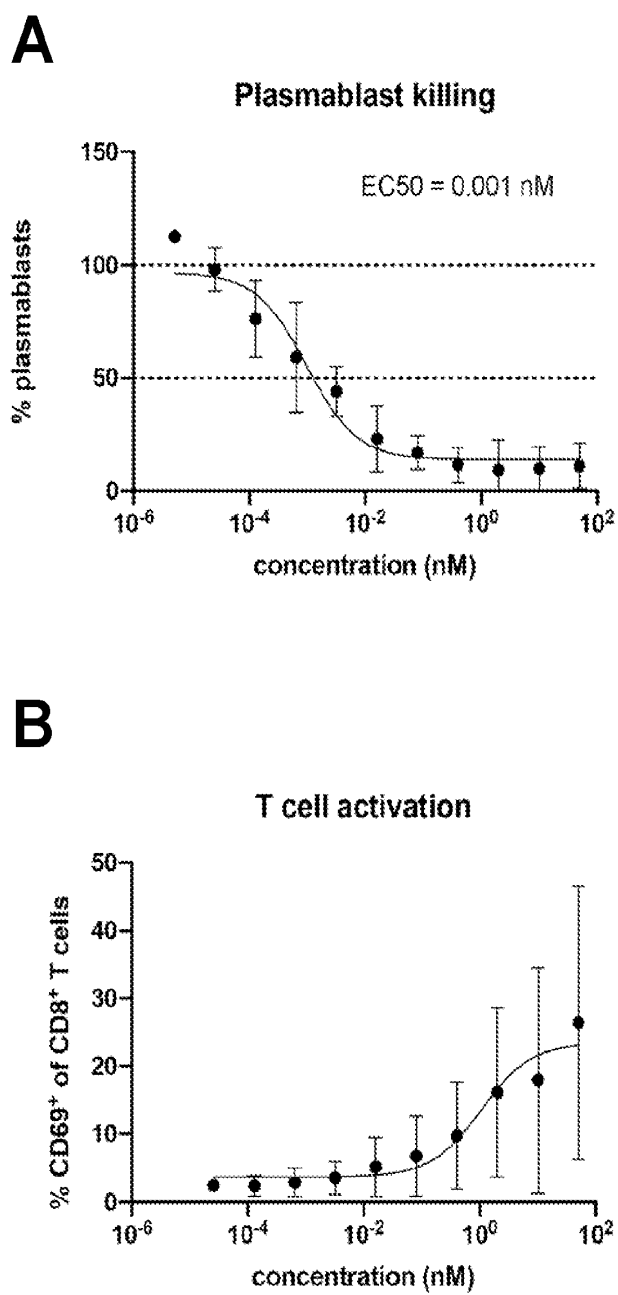


Fig. 17C

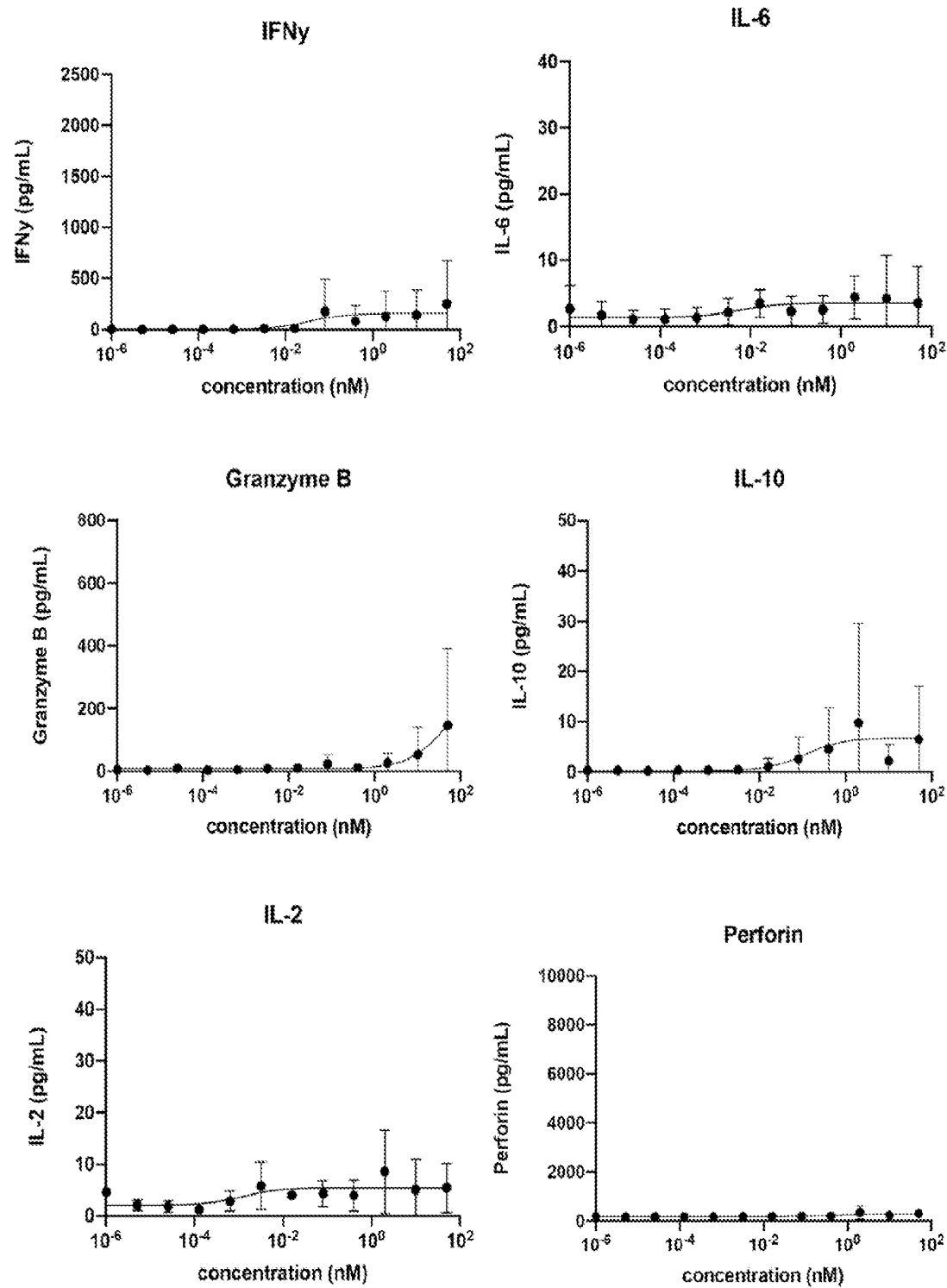


Fig. 18

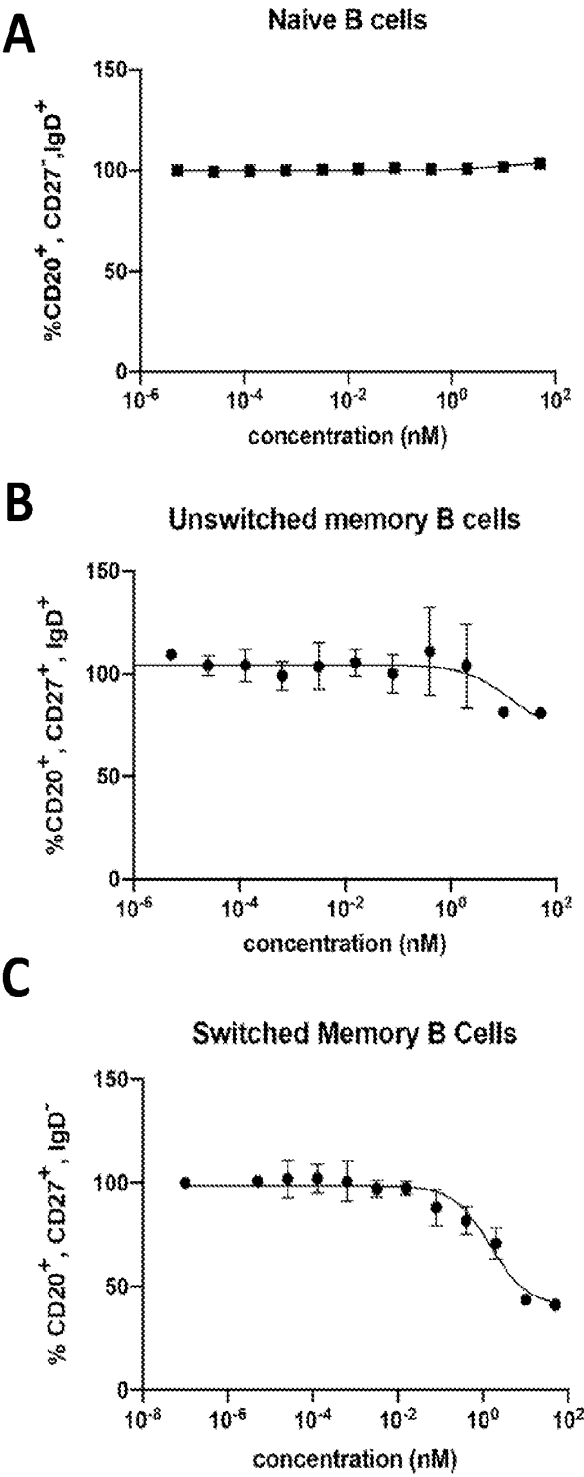


Fig. 19

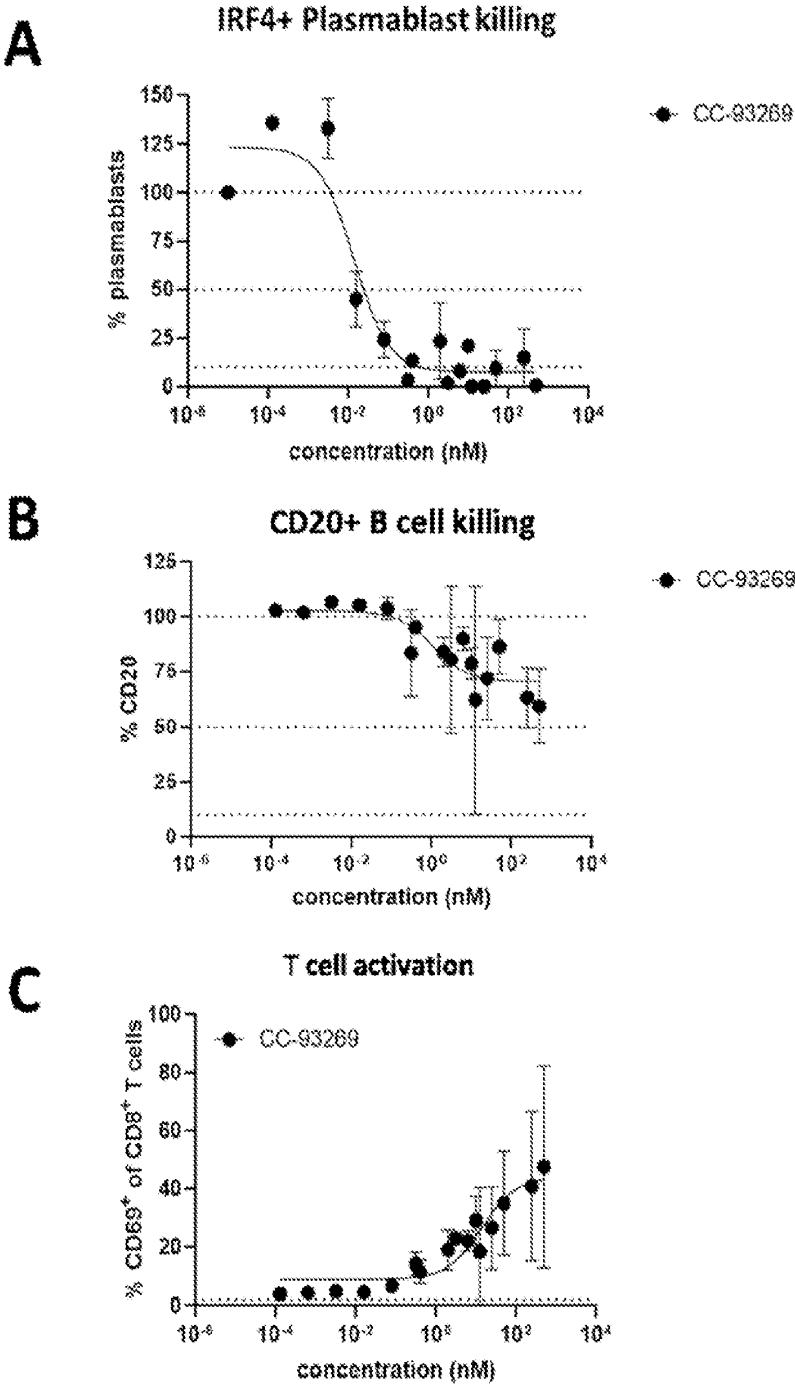
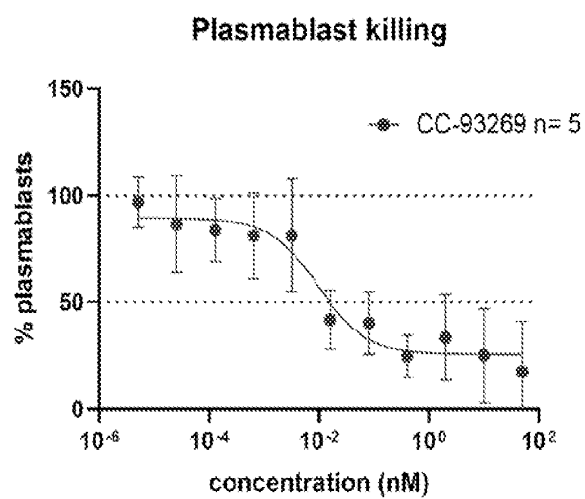
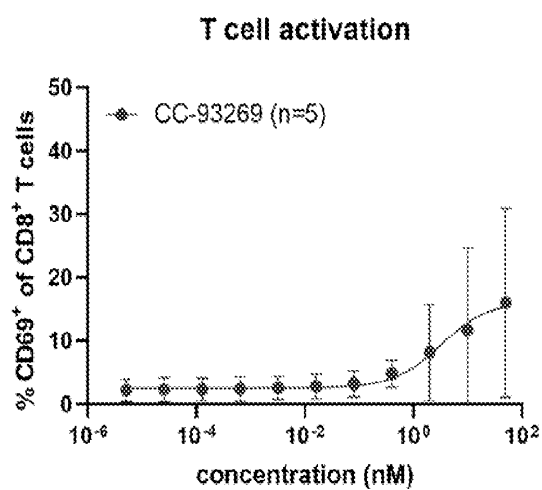
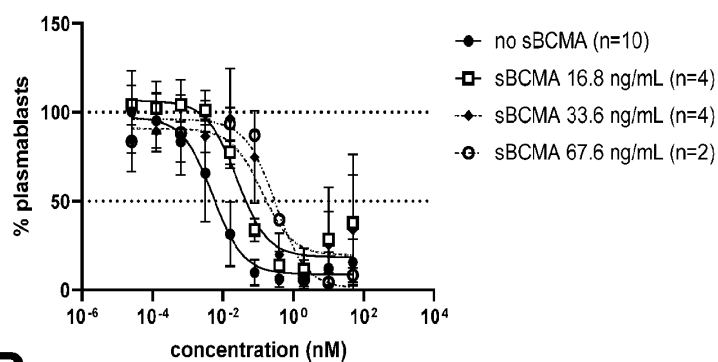
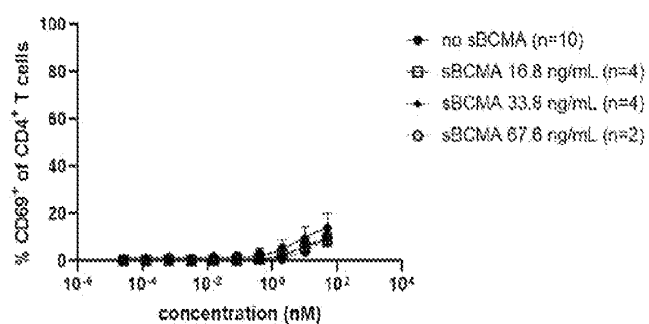
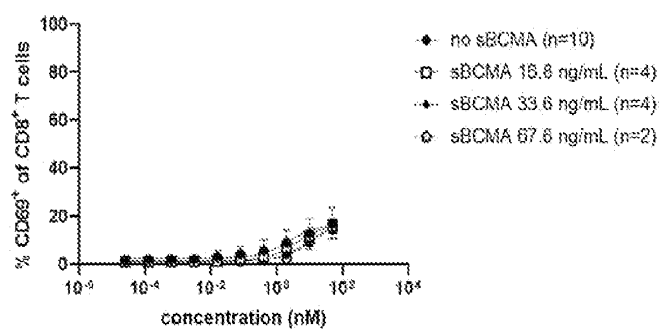


Fig. 20

A**B**

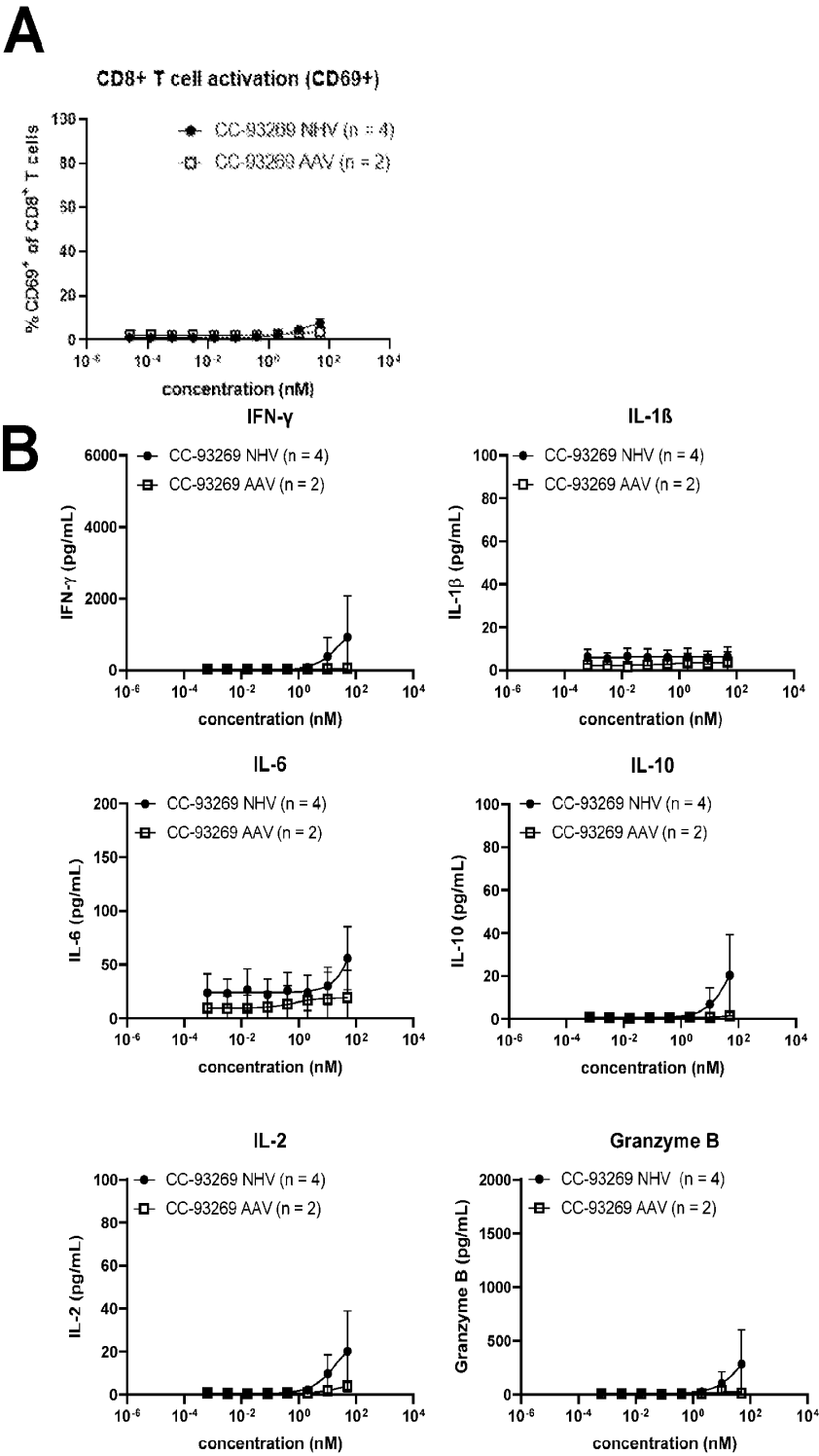
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Fig. 21

A**B**

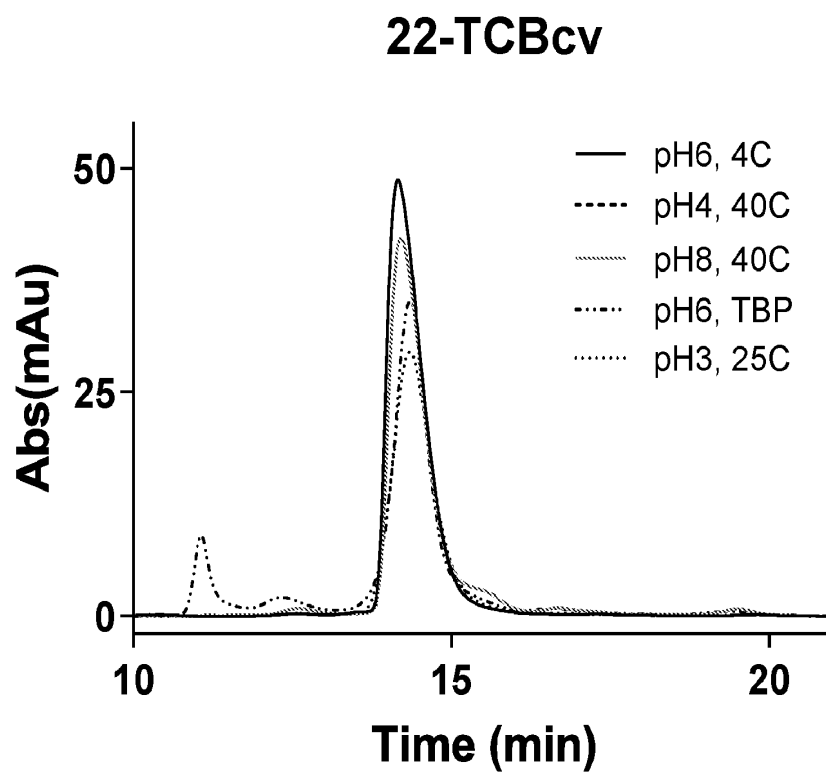
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Fig. 22



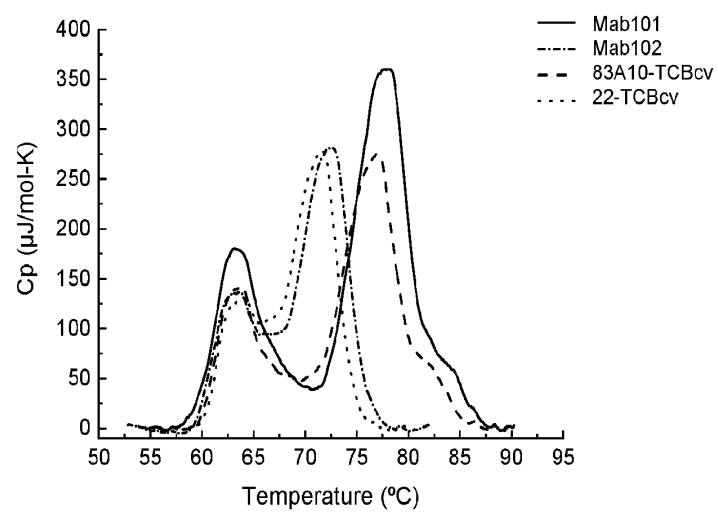
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Fig. 23



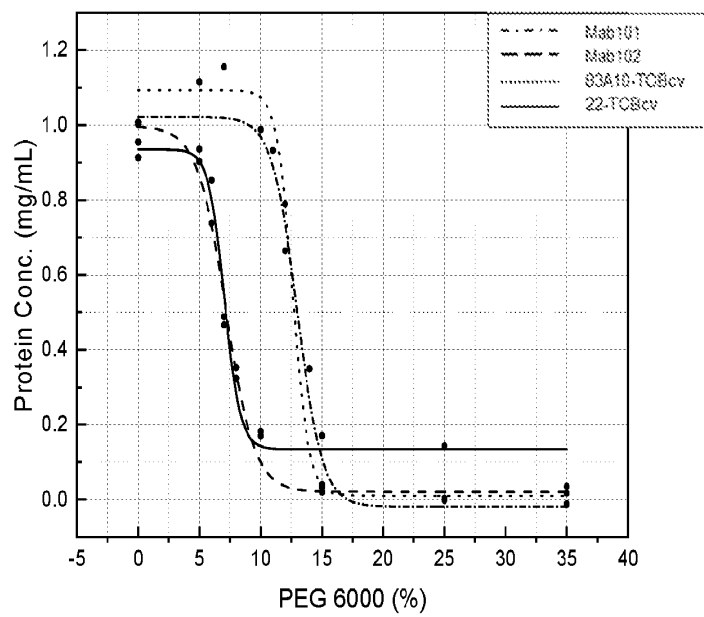
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Fig. 24



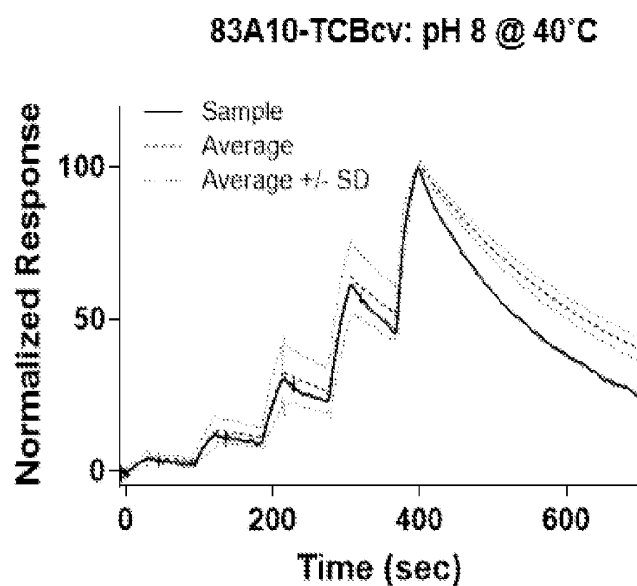
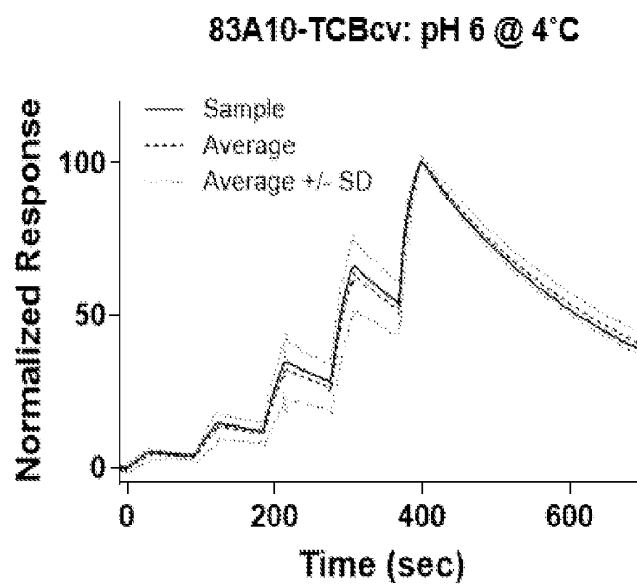
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Fig. 25



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Fig. 26



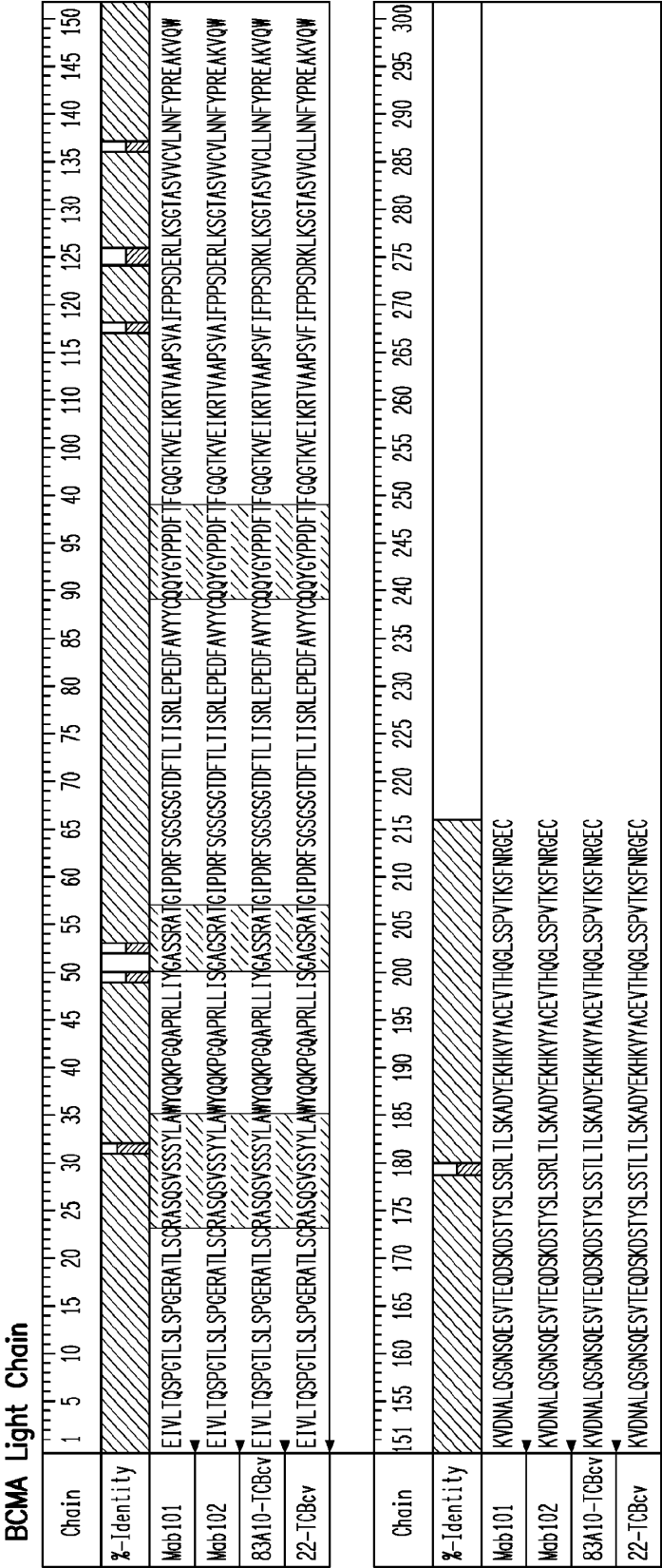


Fig. 27

CD3 Light Chain																																																																																																																													
Chain	1	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150																																																																																														
%-Identity																																																																																																																													
Mab101	EVQL	LES	GGGL	VQ	P	GGSL	RL	SC	A	S	G	F	I	F	ST	Y	A	N	N	V	R	Q	A	P	G	K	G	L	E	W	S	R	I	R	S	K	N	N	V	A	T	T	A	D	S	K	G	R	F	T	I	S	R	D	D	S	K	N	I	L	Y	L	Q	N	S	L	R	A	E	D	T	A	V	Y	C	V	R	H	G	N	F	G	N	S	Y	S	M	F	A	Y	N	G	Q	G	T	L	V	T	V	S	S	A	S	V	A	P	S	V	F	I	F	P	P	S	D	E	Q	L	K	S	G	T	A	S	Y
Mab102	EVQL	LES	GGGL	VQ	P	GGSL	RL	SC	A	S	G	F	I	F	ST	Y	A	N	N	V	R	Q	A	P	G	K	G	L	E	W	S	R	I	R	S	K	N	N	V	A	T	T	A	D	S	K	G	R	F	T	I	S	R	D	D	S	K	N	I	L	Y	L	Q	N	S	L	R	A	E	D	T	A	V	Y	C	V	R	H	G	N	F	G	N	S	Y	S	M	F	A	Y	N	G	Q	G	T	L	V	T	V	S	S	A	S	V	A	P	S	V	F	I	F	P	P	S	D	E	Q	L	K	S	G	T	A	S	Y
83A10-TCBcv	EVQL	LES	GGGL	VQ	P	GGSL	RL	SC	A	S	G	F	I	F	ST	Y	A	N	N	V	R	Q	A	P	G	K	G	L	E	W	S	R	I	R	S	K	N	N	V	A	T	T	A	D	S	K	G	R	F	T	I	S	R	D	D	S	K	N	I	L	Y	L	Q	N	S	L	R	A	E	D	T	A	V	Y	C	V	R	H	G	N	F	G	N	S	Y	S	M	F	A	Y	N	G	Q	G	T	L	V	T	V	S	S	A	S	V	A	P	S	V	F	I	F	P	P	S	D	E	Q	L	K	S	G	T	A	S	Y
22-TCBcv	EVQL	LES	GGGL	VQ	P	GGSL	RL	SC	A	S	G	F	I	F	ST	Y	A	N	N	V	R	Q	A	P	G	K	G	L	E	W	S	R	I	R	S	K	N	N	V	A	T	T	A	D	S	K	G	R	F	T	I	S	R	D	D	S	K	N	I	L	Y	L	Q	N	S	L	R	A	E	D	T	A	V	Y	C	V	R	H	G	N	F	G	N	S	Y	S	M	F	A	Y	N	G	Q	G	T	L	V	T	V	S	S	A	S	V	A	P	S	V	F	I	F	P	P	S	D	E	Q	L	K	S	G	T	A	S	Y
Chain	151	155	160	165	170	175	180	185	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280	285	290	295	300																																																																																														
%-Identity																																																																																																																													
Mab101	V	C	L	L	N	F	P	R	E	A	K	V	Q	N	K	V	D	N	A	L	Q	S	G	N	S	Q	E	S	V	T	E	Q	D	S	K	D	S	T	Y	S	S	T	L	T	L	S	K	A	D	Y	E	K	H	K	Y	A	C	E	V	T	H	Q	G	L	S	S	P	V	T	K	S	F	N	R	G	E	C																																																
Mab102	V	C	L	L	N	F	P	R	E	A	K	V	Q	N	K	V	D	N	A	L	Q	S	G	N	S	Q	E	S	V	T	E	Q	D	S	K	D	S	T	Y	S	S	T	L	T	L	S	K	A	D	Y	E	K	H	K	Y	A	C	E	V	T	H	Q	G	L	S	S	P	V	T	K	S	F	N	R	G	E	C																																																
83A10-TCBcv	V	C	L	L	N	F	P	R	E	A	K	V	Q	N	K	V	D	N	A	L	Q	S	G	N	S	Q	E	S	V	T	E	Q	D	S	K	D	S	T	Y	S	S	T	L	T	L	S	K	A	D	Y	E	K	H	K	Y	A	C	E	V	T	H	Q	G	L	S	S	P	V	T	K	S	F	N	R	G	E	C																																																
22-TCBcv	V	C	L	L	N	F	P	R	E	A	K	V	Q	N	K	V	D	N	A	L	Q	S	G	N	S	Q	E	S	V	T	E	Q	D	S	K	D	S	T	Y	S	S	T	L	T	L	S	K	A	D	Y	E	K	H	K	Y	A	C	E	V	T	H	Q	G	L	S	S	P	V	T	K	S	F	N	R	G	E	C																																																
Chain	301	305	310	315	320	325	330	335	340	345	350																																																																																																																		
%-Identity																																																																																																																													

Fig. 27 continued

Heavy Chain	
Chain	1 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150
%-Identity	
Mab101	EVQLVESGGGLVQPGGSLRLSCAASGFTISSTAMSWVRQAPGKGLKLEWYSATISGSGGSTYYADSVKGRFTISRDNKNTILYLQNSLRRAEDTAVYYCAKQLGWFDYWGQGTILVTSSASTKGPSVFPLAPSSKSTSGGTAWLGCEVIDYFP
Mab102	EVQLVESGGGLVQPGGSLRLSCAASGFTISDNAMSWVRQAPGKGLKLEWYSATISGPGSSYYADSVKGRFTISRDNKNTILYLQNSLRRAEDTAVYYCAKQLGWFDYWGQGTILVTSSASTKGPSVFPLAPSSKSTSGGTAWLGCEVIDYFP
83A10-TCBcv	EVQLVESGGGLVQPGGSLRLSCAASGFTISSTAMSWVRQAPGKGLKLEWYSATISGSGGSTYYADSVKGRFTISRDNKNTILYLQNSLRRAEDTAVYYCAKQLGWFDYWGQGTILVTSSASTKGPSVFPLAPSSKSTSGGTAAALGCLVEDYFP
22-TCBcv	EVQLVESGGGLVQPGGSLRLSCAASGFTISDNAMSWVRQAPGKGLKLEWYSATISGPGSSYYADSVKGRFTISRDNKNTILYLQNSLRRAEDTAVYYCAKQLGWFDYWGQGTILVTSSASTKGPSVFPLAPSSKSTSGGTAAALGCLVEDYFP
Chain	156 155 160 165 170 175 180 185 190 195 200 205 210 215 220 225 230 235 240 245 250 255 260 265 270 275 280 285 290 295 300
%-Identity	
Mab101	EPVTVSNNSGALTSGWHTFPVAVLESSGLYSLSSWVTPSSSLGTQTYLCNNHKPSNTIKVDEKVEPKSCDKTHTCPPQPAPEAAGGPSVFLFPPKPKOTLMI.SRTPEVTCWVVDVSHEDPEVKFNWYVDGVEVHNKTKPREEQNSTYR
Mab102	EPVTVSNNSGALTSGWHTFPVAVLESSGLYSLSSWVTPSSSLGTQTYLCNNHKPSNTIKVDEKVEPKSCDKTHTCPPQPAPEAAGGPSVFLFPPKPKOTLMI.SRTPEVTCWVVDVSHEDPEVKFNWYVDGVEVHNKTKPREEQNSTYR
83A10-TCBcv	EPVTVSNNSGALTSGWHTFPVAVLQSSGLYSLSSWVTPSSSLGTQTYLCNNHKPSNTIKVDEKVEPKSCDKTHTCPPQPAPEAAGGPSVFLFPPKPKOTLMI.SRTPEVTCWVVDVSHEDPEVKFNWYVDGVEVHNKTKPREEQNSTYR
22-TCBcv	EPVTVSNNSGALTSGWHTFPVAVLQSSGLYSLSSWVTPSSSLGTQTYLCNNHKPSNTIKVDEKVEPKSCDKTHTCPPQPAPEAAGGPSVFLFPPKPKOTLMI.SRTPEVTCWVVDVSHEDPEVKFNWYVDGVEVHNKTKPREEQNSTYR

Fig. 27 continued

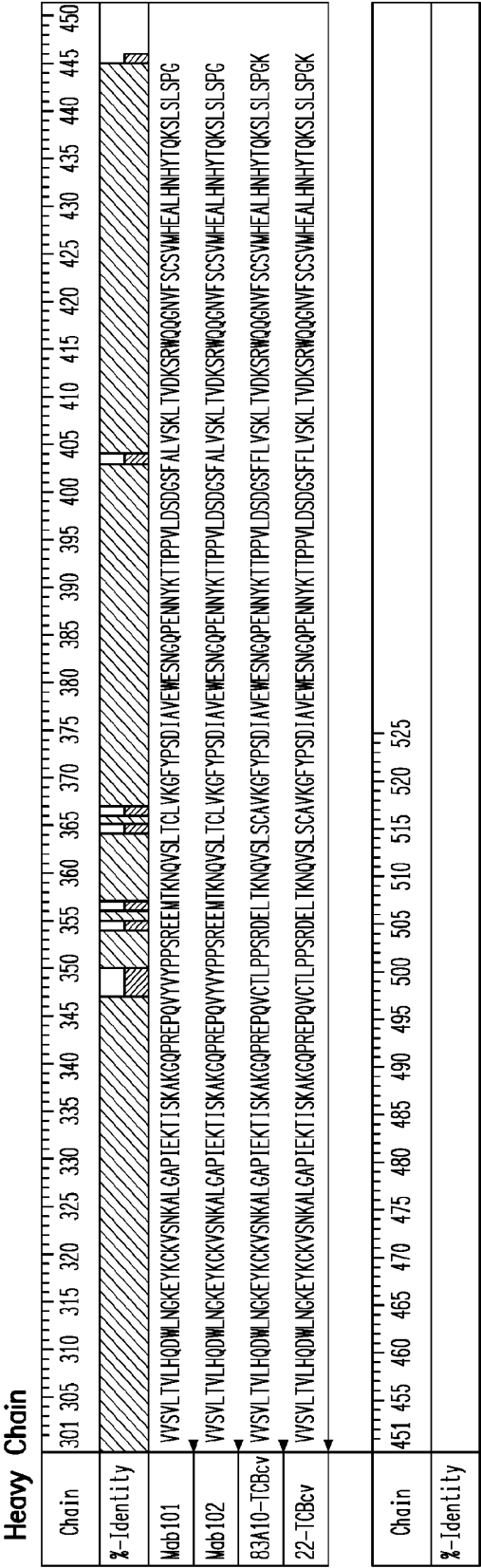


Fig. 27 continued

Heavy-Heavy Chain		
Chain		1 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150 155
%-Identity		
Mab 101		EVQLLESGGGLVQPGGSLRLSCAASGFTFSYAMSWVRQAPGKGLKWSKATSCSGGSTYYADSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCAKVLGWFDYMGQGLTVTVSSASTKGPSVFPLAPSSKSTSGGTAIWLGCCEVTDYFPEPVTV
Mab 102		EVQLLESGGGLVQPGGSLRLSCAASGFTFSDMAMGWVRQAPGKGLKWSKATSGPSSSTYYADSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCAKVLGWFDYMGQGLTVTVSSASTKGPSVFPLAPSSKSTSGGTAIWLGCCEVTDYFPEPVTV
83A10-T08cv		EVQLLESGGGLVQPGGSLRLSCAASGFTFSYAMSWVRQAPGKGLKWSKATSCSGGSTYYADSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCAKVLGWFDYMGQGLTVTVSSASTKGPSVFPLAPSSKSTSGGTAIWLGCCEVTDYFPEPVTV
22-T08cv		EVQLLESGGGLVQPGGSLRLSCAASGFTFSDMAMGWVRQAPGKGLKWSKATSGPSSSTYYADSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCAKVLGWFDYMGQGLTVTVSSASTKGPSVFPLAPSSKSTSGGTAIWLGCCEVTDYFPEPVTV
Chain		156 160 165 170 175 180 185 190 195 200 205 210 215 220 225 230 235 240 245 250 255 260 265 270 275 280 285 290 295 300 305 310
%-Identity		
Mab 101		SWNSGALTSCWHITFPANLESSGLYSLSVITWTPSSSLGTQTYICNNWHKPSNTKIDKKMEPKSCDGGGGGGGGGSGQAVVTQEPSLTVSPGGTVLTTCGSSSTGAVTTSNVAWVWQERPCQAFRGLIGETNKRAPGTPARFSCSLLGGKAALTLSCA
Mab 102		SWNSGALTSCWHITFPANLESSGLYSLSVITWTPSSSLGTQTYICNNWHKPSNTKIDKKMEPKSCDGGGGGGGGGSGQAVVTQEPSLTVSPGGTVLTTCGSSSTGAVTTSNVAWVWQERPCQAFRGLIGETNKRAPGTPARFSCSLLGGKAALTLSCA
83A10-T08cv		SWNSGALTSCWHITFPANLQSSGLYSLSVITWTPSSSLGTQTYICNNWHKPSNTKIDKMEPKSCDGGGGGGGGGSGQAVVTQEPSLTVSPGGTVLTTCGSSSTGAVTTSNVAWVWQERPCQAFRGLIGETNKRAPGTPARFSCSLLGGKAALTLSCA
22-T08cv		SWNSGALTSCWHITFPANLQSSGLYSLSVITWTPSSSLGTQTYICNNWHKPSNTKIDKMEPKSCDGGGGGGGGGSGQAVVTQEPSLTVSPGGTVLTTCGSSSTGAVTTSNVAWVWQERPCQAFRGLIGETNKRAPGTPARFSCSLLGGKAALTLSCA

Fig. 27 continued

Heavy—Heavy Chain	
Chain	311 315 320 325 330 335 340 345 350 355 360 365 370 375 380 385 390 395 400 405 410 415 420 425 430 435 440 445 450 455 460 465
%-Identity	
Mab101	QPEDEAEYTCALWYSNLWFFGGGTKLTVLSSASTKGPSVFPLAPSSKSTSGGTAALGCLWKDYFFPEPVTVMNSGALTSGVHIFPAVLQSSGLYSLSSTWTPVSSSLGTQTYIGNWNHKPSITKIDKKYVEPKSCDKTHTCPPCPAPEAAGGPSVF
Mab102	QPEDEAEYTCALWYSNLWFFGGGTKLTVLSSASTKGPSVFPLAPSSKSTSGGTAALGCLWKDYFFPEPVTVMNSGALTSGVHIFPAVLQSSGLYSLSSTWTPVSSSLGTQTYIGNWNHKPSITKIDKKYVEPKSCDKTHTCPPCPAPEAAGGPSVF
83A10—TC8cv	QPEDEAEYTCALWYSNLWFFGGGTKLTVLSSASTKGPSVFPLAPSSKSTSGGTAALGCLWKDYFFPEPVTVMNSGALTSGVHIFPAVLQSSGLYSLSSTWTPVSSSLGTQTYIGNWNHKPSITKIDKKYVEPKSCDKTHTCPPCPAPEAAGGPSVF
22—TC8cv	QPEDEAEYTCALWYSNLWFFGGGTKLTVLSSASTKGPSVFPLAPSSKSTSGGTAALGCLWKDYFFPEPVTVMNSGALTSGVHIFPAVLQSSGLYSLSSTWTPVSSSLGTQTYIGNWNHKPSITKIDKKYVEPKSCDKTHTCPPCPAPEAAGGPSVF
Chain	466 470 475 480 485 490 495 500 505 510 515 520 525 530 535 540 545 550 555 560 565 570 575 580 585 590 595 600 605 610 615 620
%-Identity	
Mab101	LFPPPKPKDITLMSRTPEVTCYVVDVSHEDPEWKFNNWYDGVGVHNAKTKPREEQNSTYRWVSILTVLHQDWLNGKEYCKCKVSKWALGAPTEKITSKAKGQPREPQVYVLPDSREENTKNQVSLCLVKGFPYPSDIAVEWESNGQPENNYLTWPP
Mab102	LFPPPKPKDITLMSRTPEVTCYVVDVSHEDPEWKFNNWYDGVGVHNAKTKPREEQNSTYRWVSILTVLHQDWLNGKEYCKCKVSKWALGAPTEKITSKAKGQPREPQVYVLPDSREENTKNQVSLCLVKGFPYPSDIAVEWESNGQPENNYLTWPP
83A10—TC8cv	LFPPPKPKDITLMSRTPEVTCYVVDVSHEDPEWKFNNWYDGVGVHNAKTKPREEQNSTYRWVSILTVLHQDWLNGKEYCKCKVSKWALGAPTEKITSKAKGQPREPQVYVLPDSREENTKNQVSLCLVKGFPYPSDIAVEWESNGQPENNYKTTPP
22—TC8cv	LFPPPKPKDITLMSRTPEVTCYVVDVSHEDPEWKFNNWYDGVGVHNAKTKPREEQNSTYRWVSILTVLHQDWLNGKEYCKCKVSKWALGAPTEKITSKAKGQPREPQVYVLPDSREENTKNQVSLCLVKGFPYPSDIAVEWESNGQPENNYKTTPP

Fig. 27 continued

Heavy—Heavy Chain	
Chain	621 625 630 635 640 645 650 655 660 665 670
%-Identity	
Mab101	VLDSDGSFFLYSKLTVDKSRWQGNVFSQSWWHEALNNHTQKSLSPG
Mab102	VLDSDGSFFLYSKLTVDKSRWQGNVFSQSWWHEALNNHTQKSLSPG
83A10—TCBcv	VLDSDGSFFLYSKLTVDKSRWQGNVFSQSWWHEALNNHTQKSLSPGK
22—TCBcv	VLDSDGSFFLYSKLTVDKSRWQGNVFSQSWWHEALNNHTQKSLSPGK

Fig. 27 continued