

Figura 1A

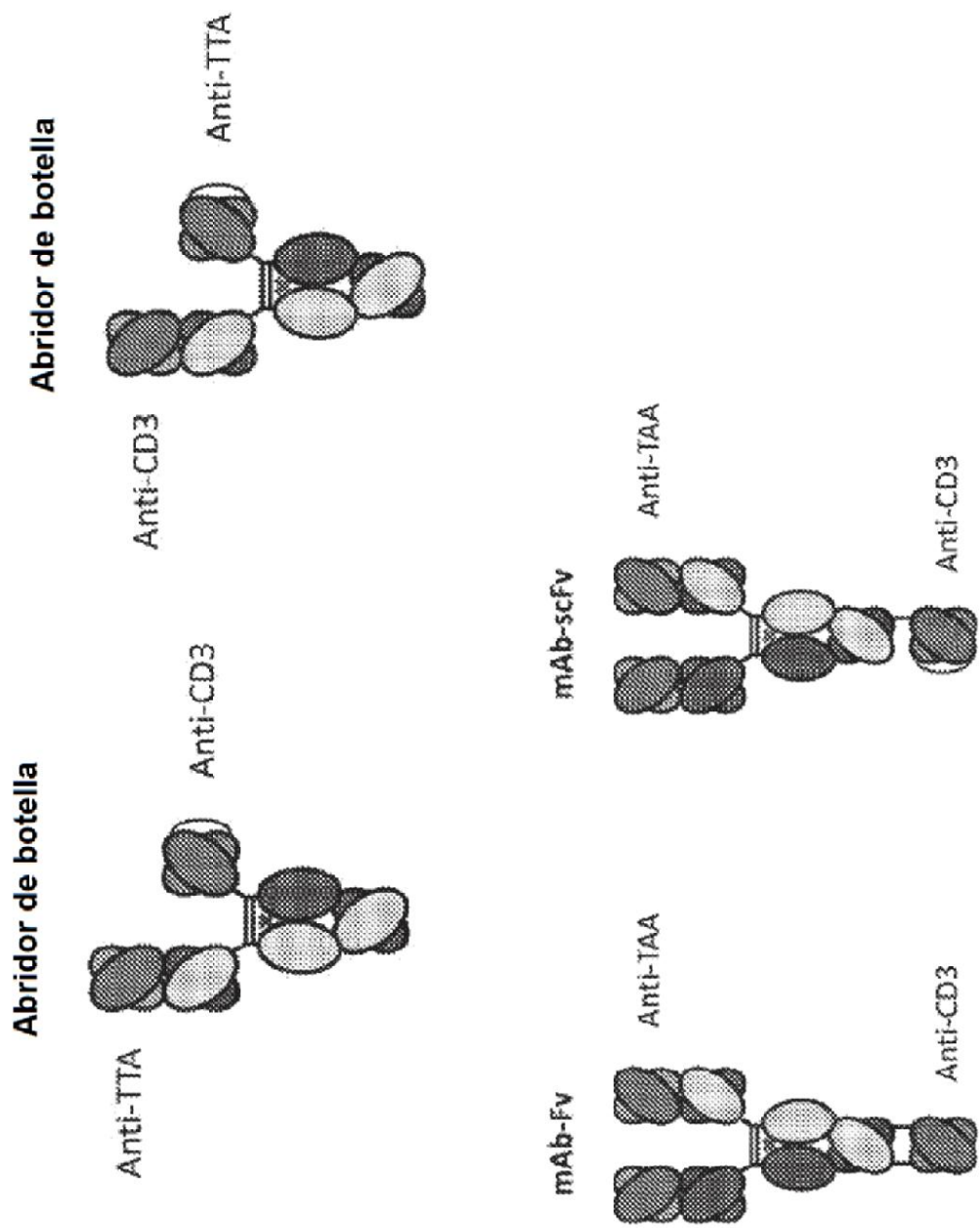


Figura 1B

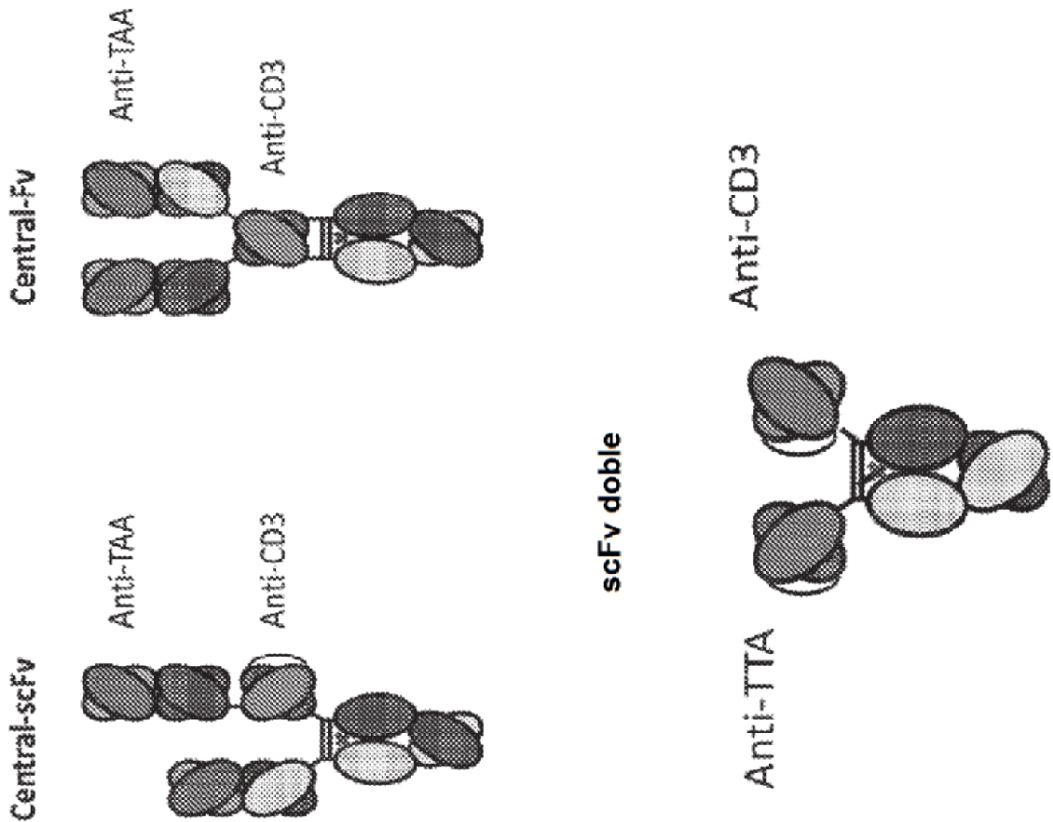


Figura 1C

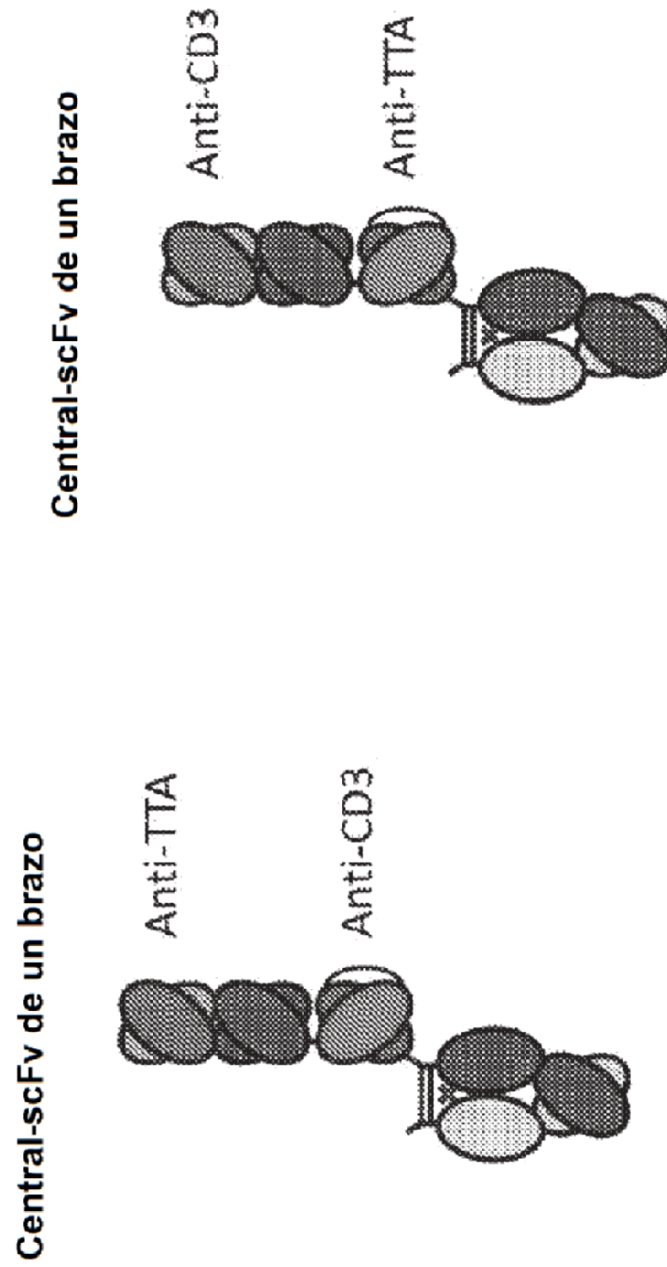


Figura 2
Alto CD3: Anti-CD3_H1.30_L1.47

Lo que es	secuencia	SEQ ID NO:
Dominio pesado variable (vh)	EVQLVESGGGLVQPGGSLRLSCAASGFTFSYAMNWRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKNTLY LQMNSLRAEDTAVYVCVRHGNFGDSYVSWFAYWGQGTLVTVSS	1
vhCDR1	TYAMN	2
vhCDR2	RIRSKYNNYATYYADSVKG	3
vhCDR3	HGNFGDSYVSWFAY	4
Dominio ligero variable (vl)	QAVVTQEPSTVSPGGTVLTGSGSTGAVTTSNYANWVQQKPGKSPRGLIGGINKRAPGVPARFSGSLGGKAALTISGAQPE DEADYWCALWYSNHWVFGGGTKLTVL	5
vlCDR1	GSSTGAVTTSNYAN	6
vlCDR2	GTNKRAP	7
vlCDR3	ALWYSNHWV	8
scFv (incluyendo enlazador cargado)	EVQLVESGGGLVQPGGSLRLSCAASGFTFSYAMNWRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKNTLY LQMNSLRAEDTAVYVCVRHGNFGDSYVSWFAYWGQGTLVTVSSGKPGSGKPGSGKPGSQAVVTQEPSTVSPGGT VLTGSGSTGAVTTSNYANWVQQKPGKSPRGLIGGINKRAPGVPARFSGSLGGKAALTISGAQPEDEADYWCALWYSNHW VFGGGTKLTVL	9

Figura 3

Alto-Int #1 CD3: Anti-CD3_H1.32_L1.47

Lo que es	secuencia	SEQ ID NO:
Dominio pesado variable (vh)	EVQLVESGGGLVQPGGSLRLSCAASGFTFTYAMINWVRQAPGKGLVWVGRIIRSKANNYATYYADSVKGRFTISRDDSKNTLY LQMNSLRAEDTAVYYCVRHGNFSGDSYVSWFAYWGQGTITVSS	10
vhCDR1	TYAMN	11
vhCDR2	RIRSKANNYATYYADSVKG	12
vhCDR3	HGNFSGDSYVSWFAY	13
Dominio ligero variable (vl)	QAVVTQEPSTVSPGGTTLTCGSSTGAVTTSNYANWVQQKPGKSPRGLIGGTNKRAPGVPARFSGSLGGKAALTISGAQPE DEADYYCALWYSNHWVFSGGKLTVL	14
vlCDR1	GSSTGAVTTSNYAN	15
vlCDR2	GTNKRAP	16
vlCDR3	ALWYSNHWV	17
scFv (incluyendo enlazador cargado)	EVQLVESGGGLVQPGGSLRLSCAASGFTFTYAMINWVRQAPGKGLVWVGRIIRSKANNYATYYADSVKGRFTISRDDSKNTLY LQMNSLRAEDTAVYYCVRHGNFSGDSYVSWFAYWGQGTITVSSGKPGSGKPGSQAVVTQEPSTVSPGGT VTLTCGSSTGAVTTSNYANWVQQKPGKSPRGLIGGTNKRAPGVPARFSGSLGGKAALTISGAQPEDEADYYCALWYSNHW VFSGGKLTVL	18

Figura 4

Alto-Int #2 CD3: Anti-CD3_H1.89_L1.47

Lo que es	secuencia	SEQ ID NO:
Dominio pesado variable (vh)	EVQLVESGGGLVQPGGSLRLSCAASGFTFTYAMINWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKNTLY LQMNSLRAEDTAVYYCVRHGNFGDEYVSWFAYWGQGTLLTVSS	19
vhCDR1	TYAMN	20
vhCDR2	RIRSKYNNYATYYADSVKG	21
vhCDR3	HGNFGDEYVSWFAY	22
Dominio ligero variable (vl)	QAVWTQEPSTVSPGGTVLTCTGSSGTGAVTTSNYANWVQQKPGKSPRGLIGGTNKRAPGVPARFSGSLGGKAALTISGAQPE DEADYYCALWYSNHWVFGGGTKLTVL	23
vlCDR1	GSSTGAVTTSNYAN	24
vlCDR2	GTNKRAP	25
vlCDR3	ALWYSNHWV	26
scFv (incluyendo enlazador cargado)	EVQLVESGGGLVQPGGSLRLSCAASGFTFTYAMINWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKNTLY LQMNSLRAEDTAVYYCVRHGNFGDEYVSWFAYWGQGTLLTVSSGKPGSGKPGSQAVVTQEPSTVSPGGT VTLTCTGSSGTGAVTTSNYANWVQQKPGKSPRGLIGGTNKRAPGVPARFSGSLGGKAALTISGAQPEDEADYYCALWYSNHW VFGGGTKLTVL	27

Figura 5

Alto-Int #3 CD3: Anti-CD3_H1.90_L1.47

Lo que es	secuencia	SEQ ID NO:
Dominio pesado variable (vh)	EVQLVESGGGLVQPGGSLRLSCAASGFTSTYAMNWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKNTLY LQMNSLRAEDTAVYYCVRHGNFGDPYVSWFAYWGQGLTVTVSS	28
vhCDR1	TYAMN	29
vhCDR2	RIRSKYNNYATYYADSVK	30
vhCDR3	HGNFGDPYVSWFAY	31
Dominio ligero variable (vl)	QAVTQEPSTVSPGGTVLTTCGSSTGAVTTSNYANWVQKPGKSPRGLIGGINKRAPGVPARFSGSLGGKAALTISGAQPE DEADYYCALWYSNHWVFGGGTKLTVL	32
vlCDR1	GSSTGAVTTSNYAN	33
vlCDR2	GTNKRAP	34
vlCDR3	ALWYSNHWV	35
scFv (incluyendo enlazador cargado)	EVQLVESGGGLVQPGGSLRLSCAASGFTSTYAMNWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKNTLY LQMNSLRAEDTAVYYCVRHGNFGDPYVSWFAYWGQGLTVTVSSGKPGSGKPGSGKPGSQAVVTQEPSTVSPGGT VTLTCSSTGAVTTSNYANWVQKPGKSPRGLIGGINKRAPGVPARFSGSLGGKAALTISGAQPEDEADYYCALWYSNHW VFGGGTKLTVL	36

Figura 6

CD3 intermedio: Anti-CD3_H1.33_L1.47

Lo que es	secuencia	SEQ ID NO:
Dominio pesado variable (vh)	EVQLVESGGGLVQPGGSLRLSCAASGFTFTYAMNWRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKNTLY LQMNSLRAEDTAVYYCVRHGNFGDSVSWFDYWGGGTLTVSS	37
vhCDR1	TYAMN	38
vhCDR2	RIRSKYNNYATYYADSVK	39
vhCDR3	HGNFGDSVSWFDY	40
Dominio ligero variable (vl)	QAVVTQEPSLTVSPGGTVTLTCGSSTGAVTTSNYANWVQQPKGKSPRGLIGGTNKRAPGVPARFSGSILGGKAALTISGAQPE DEADYYCALWYSNHWVFGGGTKLTVL	41
vlCDR1	GSSTGAVTTSNYAN	42
vlCDR2	GTNKRAP	43
vlCDR3	ALWYSNHWV	44
scFv (incluyendo enlazador cargado)	EVQLVESGGGLVQPGGSLRLSCAASGFTFTYAMNWRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKNTLY LQMNSLRAEDTAVYYCVRHGNFGDSVSWFDYWGGGTLTVSSGKPGSGKPGSGKPGSQAVVTQEPSLTVSPGGT VTLCGSSTGAVTTSNYANWVQQPKGKSPRGLIGGTNKRAPGVPARFSGSILGGKAALTISGAQPEDEADYYCALWYSNHW VFGGGTKLTVL	45

Figura 7

Bajo CD3: Anti-CD3_H1.31_L1.47

Lo que es	secuencia	SEQ ID NO:
Dominio pesado variable (vh)	EVQLVESGGGLVQPGGSLRLSCAASGFTFSIYAMSWVRQAPGKGLEWVGRIIRSKYNNYATYYADSVKGRFTISRDDSKNTLYLQMINSLRAEDTAVYVCVRHGNFGDSYVSWFAYWGQGLTVTVSS	46
vhCDR1	TYAMS	47
vhCDR2	RIRSKYNNYATYYADSVKGR	48
vhCDR3	HGNFGDSYVSWFAY	49
Dominio ligero variable (vl)	QAVVTQEPSTVSPGGTTLTCGSSTGAVTTSNYANWVQKPKGSPRGLIGGTNKRAPGVPARFSGSLGGKAALTISGAQPEDEADYYCALWYSNHWVFGGGTKLTVL	50
vlCDR1	GSSTGAVTTSNYAN	51
vlCDR2	GTNKRAP	52
vlCDR3	ALWYSNHWV	53
scFv (incluyendo enlazador cargado)	EVQLVESGGGLVQPGGSLRLSCAASGFTFSIYAMSWVRQAPGKGLEWVGRIIRSKYNNYATYYADSVKGRFTISRDDSKNTLYLQMINSLRAEDTAVYVCVRHGNFGDSYVSWFAYWGQGLTVTVSSGKPGSGKPGSGKPGSQAVWTQEPSTVSPGGTTLTCGSSTGAVTTSNYANWVQKPKGSPRGLIGGTNKRAPGVPARFSGSLGGKAALTISGAQPEDEADYYCALWYSNHWVFGGGTKLTVL	54

Figura 8

Alto CD38: OKT10_H1.77_L1.24

Lo que es	secuencia	SEQ ID NO:
Dominio pesado variable (vh)	EVQLVESGGGLVQPGGSLRLSCAASGFTFSYWMNWVRQAPGKGLEWVSEINPQSSTINYATSVKGRFTISRDN SKNTLYLQ MNSLRAEDTAVYVCARYGNWFPYWGQGLTVTVSS	55
vhCDR1	YSWMIN	56
vhCDR2	EINPQSSTINVATSVKG	57
vhCDR3	YGNWFPY	58
Dominio ligero variable (vl)	DIVMTQSPSSLSASVGDRTVITCRASQNVDTWVAWYQQKPGQSPKALIYSASYRYSVGPDRFTGSGSGTDFTLTISSLQPEDFA TYFCQQYDSYPLTFGGGKLEIK	59
vlCDR1	RASQINVDTWVA	60
vlCDR2	SASYRYS	61
vlCDR3	QQYDSYPLT	62
scFv (incluyendo enlazador cargado)	EVQLVESGGGLVQPGGSLRLSCAASGFTFSYWMNWVRQAPGKGLEWVSEINPQSSTINYATSVKGRFTISRDN SKNTLYLQ MNSLRAEDTAVYVCARYGNWFPYWGQGLTVTVSSGKPGSGKPGSGKPGSDIVMTQSPSSLSASVGDRTVITCRASQ NVDTWVAWYQQKPGQSPKALIYSASYRYSVGPDRFTGSGSGTDFTLTISSLQPEDFATYFCQQYDSYPLTFGGGKLEIK	63

Figura 9

CD38 intermedio: OKT10_H1L1.24

Lo que es	secuencia	SEQ ID NO:
Dominio pesado variable (vh)	EVQLVESGGGLVQPGGSLRLSCAASGFD <u>FSRSWMN</u> WVROAPGKGLEWVSEINPDSSITINYATSVKGRFTISRDN SKNTLYLQ MNSLRAEDTAVYVCARYGNWFPYWGQGTLVTVSS	64
vhCDR1	RSWMN	65
vhCDR2	EINPDSSITINYATSVKG	66
vhCDR3	YGNWFPY	67
Dominio ligero variable (vl)	DIVMTQSPSSLSASVGDRTITCRASQNVDTWVAWYQQKPGQSPKALISASRYSGVPDRFTGSGGTDFTLTISSLQPEDFA TYFCQQYDSYPLTFGGGTKLEIK	68
vlCDR1	RASQNVDTWVA	69
vlCDR2	SASYRYS	70
vlCDR3	QQYDSYPLT	71
scFv (incluyendo enlazador cargado)	EVQLVESGGGLVQPGGSLRLSCAASGFD <u>FSRSWMN</u> WVROAPGKGLEWVSEINPDSSITINYATSVKGRFTISRDN SKNTLYLQ MNSLRAEDTAVYVCARYGNWFPYWGQGTLVTVSSGKPGSGKPGSGKPGSDIVMTQSPSSLSASVGDRTITCRASQ NVDTWVAWYQQKPGQSPKALISASRYSGVPDRFTGSGGTDFTLTISSLQPEDFATVFCQQYDSYPLTFGGGTKLEIK	72

Figura 10

Bajo CD38: OKT10_H1L1

Lo que es	secuencia	SEQ ID NO:
Dominio pesado variable (vh)	EVQLVESGGGLVQPGGSLRLSCAASGFD FSRSWMN WVRQAPGKGLEWVSE INPDSS TINYATSVKGRFTISRDNKNTLYLQ MNSLRAEDTAVYVCARYGNWFPYWGGTLTVSS	73
vhCDR1	RSWMN	74
vhCDR2	EINPDSS TINYATSVKG	75
vhCDR3	YGNWFPY	76
Dominio ligero variable (vl)	EVQLVESGGGLVQPGGSLRLSCAASGFD FSRSWMN WVRQAPGKGLEWVSE INPDSS TINYATSVKGRFTISRDNKNTLYLQ MNSLRAEDTAVYVCARYGNWFPYWGGTLTVSS	77
vlCDR1	RASQNVDTNVA	78
vlCDR2	SASYRYS	79
vlCDR3	QQVDSYPLT	80
scFv (incluyendo enlazador cargado)	EVQLVESGGGLVQPGGSLRLSCAASGFD FSRSWMN WVRQAPGKGLEWVSE INPDSS TINYATSVKGRFTISRDNKNTLYLQ MNSLRAEDTAVYVCARYGNWFPYWGGTLTVSSGGKPGSGKPGSEVQLVESGGGLVQPGGSLRLSCAASGF D FSRSWMN WVRQAPGKGLEWVSE INPDSS TINYATSVKGRFTISRDNKNTLYLQMNSLRAEDTAVYVCARYGNWFPYWGG QGTLLTVSS	81

Figura 11

XENP13531

XENP13551 HC-Fab SEQ ID NO:82

EVQLVESGGGLVQPGGSLRLSCAASGFTFSYSW/MNWRQAPGKGLEWVSEINPQSSINVATSVKGRFTISRDN SKNTLYLQMNSLRAEDTAVYYCARYGNWFPYWG
QGTLVTVSSASTKGPSVFPLAPSSKSTSGGTAAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSSGLYSLSSWTVPSSSLGTQTYICNVNIHKPSDTKVDKKVEPKSC
DKTHICTPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCWVDVKHEDPEVKFNWYVDGVEVHNAKTKPREEEYNSTYRVSVLTILHQDWLNGKEYCKVSNKALP
APIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVSGFYPSDIAVEWESDGGQPENNYKTPPVLDSDGSEFFLYSKLTVDKSRWEQGDVFCSCVMHEALHNHYTQ
KSLSLSPGK

XENP13551 HC-scFv SEQ ID NO:83

EVQLVESGGGLVQPGGSLRLSCAASGFTFSYAMN/WVRQAPGKGLEWVGRIRSKYNNYATYADSVKGRFTISRDDSKNTLYLQMNSLRAEDTAVYYCVRHGNFGDS
YVSWFAYWGQGLTVTVSSGKPGSGKPGSGKPGSQAVVTQEP SLTVSPGGTVTLTCGSSTGAVTTSNYANWVQQPKGKPRGLIGGTNKRAPGVPARFSGSL
GGKAALTISGAQPEDEADYWCALWYSNHWVFGGGTKLTVLEPKSSDKTHCTPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCWVDVKHEDPEVKFNWYVDGVEV
HNAKTKPREEQYNSTYRVSVLTILHQDWLNGKEYCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREQMTKNQVKLTCLVKGEYPSDIAVEWESNGQFENNYKT
TPPVLDSDGSEFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK

XENP13551 LC SEQ ID NO:84

DIVMTQSPSSLSASVGRVTITCRASQNVDTWVAWYQQKPGQSPKALYSAIRYSYGVDPDRFTGSGSGTDFTLTISSLPQPEDFATYFCQQQYDSYPLTEGGGTTKLEIKRTVA
APSVFIPPSDEQLKSGTASWCLLNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKDSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

Figura 12

XENP13243 HC-Fab SEQ ID NO:85

EVQLVESGGGLVQPGGSLRLSCAASGFDSESRWMNWVRQAPGKGLEWVSEINPDSSTINYATSVKGRFTISRDN SKNTLYLQMNSLRAEDTAVYYCARYGNWFPYVW
GQGTILTVSSASTKGPVFPPLAPSSKSTSGGTAALGCLVKDYFPEPTVSWNSGALTSGVHTFPAVLQSSGLYSLSSVTVTPSSSLGTQTYICNVNHHKPSDTKVDKKVEPKS
CDKTHCPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWVVDGVEVHNATKPREEEYNSTYRWVSVTLVHQQDWLNGKEYCKVKVSNKAL
PAPIEKTISKAKGQPREPQVYVTLPPSREEMTKNQVSLTCDVSGFFYPSDIAVEWESDGGQPENNYKTTPVLDSDGSGFFLYSKLTVDKSRWEQGDVFSCSVMHEALHNHYT
QKSLSLSPGK

XENP13243 HC-scFv SEQ ID NO:86

EVQLVESGGGLVQPGGSLRLSCAASGFTFTYAMNWVRQAPGKGLEWVGRIRSKYNNYATYADSVKGRFTISRDSKNTLYLQMNSLRAEDTAVYYCVRHGNFGDS
YVSWFAYWGGGTLTVTVSSGKPGSGKPGSGKPGSQAVVTQEPSLTVSPGGTVTLTCGSSTGAVTTSNYANWVQQKPGKSPRGLIGGTNKRAPGVPARFSGSL
GGKAALTIISGAQPEDEADYWCALWYSNHWVFGGGTKLTVLEPKSSDKTHITCPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWVVDGVEV
HNATKPREEQYNSTYRWVSVTLVHQQDWLNGKEYCKVKVSNKALPAPIEKTISKAKGQPREPQVYVTLPPSREQMTKNQVCLTCLVKGFYPSDIAVEWESNGQPENNYKT
TPVLDSDGSGFFLYSKLTVDKSRWQQGNVFNWVVDGVEVHNATKPREEQYNSTYRWVSVTLVHQQDWLNGKEYCKVKVSNKALPAPIEKTISKAKGQPREPQVYVTLPPSREQMTKNQVCLTCLVKGFYPSDIAVEWESNGQPENNYKT

XENP13243 LC SEQ ID NO:87

DIVMTQSPSSLSASVGRVTITCRASQVDTNVAWYQQKPGQSPKALIVSASRYSGVDPDRFTGSGSGTDFTLTISLQPEDFATYFCQQYDSYPLTFGGGTGLEKRTVA
APSVFIIPPSDEQLKSGTASVVCCLINNFYPRPAKQVWKVDNALQSGNSQESVTEQDSKDSYSLSTLTLSKADYEKHKVACEVTHQGLSSPVTKSFNRGEC

Figura 13

XENP14702 Anti-CD38 x Anti-CD3 Fab-scFv-Cadena Pesada 1 de Fc (Anti-CD38 Fab-Fc (OKT10 H1.77)) SEQ ID NO:88

EVQLVESGGGLVQPGGSLRLSCAASGFTFSYWMNWRQAPGKGLEWVSEINPQSSTINYATSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCARYGNWFPYWG
QGTLTVTVSSASTKGPSVFEP LAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSSGLYSLSSVTVTPSSSLGTQTYICNVNHNKPSDTKVDKKVEPKSC
DKTHTCPPCPAPPVAGPSVFLFPPKPKD TLMISRTPEVTCVVDVKHEDPEVKFNWYVDGVEVHNAKTKPREEEYNSTYRVVSVLT VLIHQDWLNGKEYCKVSNKALP
APIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVSGFYPSDIAVEWESDGGQPENNVKTTTPVLDSDSGSFFLYSKLTVDKSRWEQGDVFCSCVMHEALHNHYTQ
KSLSLSPGK

XENP14702 Anti-CD38 x Anti-CD3 Fab-scFv- Cadena Pesada 2 de Fc (Anti-CD3 scFv-Fc (αCD3 H1.31 L1.47)) SEQ ID NO:89

EVQLVESGGGLVQPGGSLRLSCAASGFTFTYAMSWVRQAPGKGLEWVGRIRSKYNNYATYVADSVKGRFTISRDDSKNTLYLQMNSLRAEDTAVYYCVRHGNFGDSY
VSWFAYWVGQGTITVTVSSGKPGSGKPGSGKPGSQAVVTQEPSLTVSPGGTITLTGSGSTGAVTTSNVANWVQQIKPGKSPRGLIGGTNKRAPGVPARFSGSLIG
GKAALTSGAQPEDEADYYCALWYSNHWVFGGGTKLTVLEPKSSDKTHTCPPCPAPPVAGPSVFLFPPKPKD TLMISRTPEVTCVVDVKHEDPEVKFNWYVDGVEVH
NAKTKPREEQYNSTYRVVSVLT VLIHQDWLNGKEYCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREQMTKNQVCLTVKGFYPSDIAVEWESNGQPENNYKTT
PPVLDSDSGSFFLYSKLTVDKSRWVQGGNVFCSCVMHEALHNHYTQKSLSLSPGK

XENP14702 Anti-CD38 x Anti-CD3 Fab-scFv- Cadena Ligera de Fc (Anti-CD38 (OKT10) L1.24)) SEQ ID NO:90

DIVMTQSPSSLSASVGDRTITCRASONVDTWVAWYQQKPGQSPKALINYSARYSGVPPDRFTGSGSGTDFLTITSSLOPEDFATYFCQQYDSYPLTFGGGTKLEIKRTVA
APSVFIIPPSPDFQLKSGTASVWCILNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKDSYSLSSITLTLSKADYKEHKWYACEVTHQGLSSPVTKSFNRGEC

Figura 14

XENP15426 Anti-CD38 (OKT10_H1.77_L1.24, CD38alto) x Anti-CD3 (H1.33_L1.47, CD3med) Fab-scFv-Fc

HC 1 (Fab-Fc) (SEQ ID NO:91)

EVQLVESGGGLVQPGGSLRLSCAASGFTFSYSWMNWVRQAPGKGLGWYSEINPQSSTINVATSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYCYARYGNWFPYV
GQGTLTITVSSASTKGPSVFPLAPSSKSTSGGTAAAGCLVKDYFPEPTVSWNSGALTSGVHTFPAVLQSSGLYSLSVVTVPSSSLGTQTYICNVNHKPSDTKVDKKVEPK
SCKDTHITCPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVVDVKHEDPEVKFNWVDGVEVHNAKTKPREEEYNSTYRWSVLTVLHQDWLNGKEYCKVSNKA
LPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVSGGFYPSDIAVEWESDGGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRWEEQGDVFCSCVMHEALHNHY
TQKSLSPGK

HC 2 (scFv-Fc) (SEQ ID NO:92)

EVQLVESGGGLVQPGGSLRLSCAASGFTFTYAMNWRQAPGKGLGWYGRIRSKYNNYATYYADSVKGRFTISRDDSKNTLYLQMNSLRAEDTAVYCVRHGNFGD
SYVSWFDYWGQGTITVSSGKPGSGKPGSGKPGSQAVVTQEPSTLVSPGGTITLTGSGSTGAVTTSNYANWVQQKPKGPRGLIGGTNKRAPGVPARFSGS
LLGGKAALTISGAQPEDEADYYCALWYSNHWVFGGGTKLTVLEPKSSDKTHITCPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVVDVKHEDPEVKFNWYVDGV
EVHNAKTKPREEQYNSTYRWVSVLTVLHQDWLNGKEYCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREQMTKNQVYKLTCLVKGFPYPSDIAVEWESNGQPENN
YKTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFCSCVMHEALHNHYTQKSLSPGK

LC (SEQ ID NO:93)

DIVMTQSPSSLSASVGRVTITCRASQNVDTWVAWYQQKPGQSPKALYASVRYSGVPDRFTGSGSGTDFLTITSLQPEDFATYFCQQYDSYPLTFGGGGTKLEIKRTV
AAPSVFIFFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKDSYLSSTLTLSKADYEHKHWACEVTHQGLSSPVTKSFNRGEC

Figura 15

XENP14701 Anti-CD38 X Anti-CD3 Fab-scFv-Cadena Pesada 1 de Fc (Anti-CD38 Fab-Fc (OKT10 H1)) (SEQ ID NO:94)

EVQLVESGGGLVQPGGSLRLSCAASGFDERSWIMNWVRQAPGKGLEWVSEINPDSTINVATSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCARYGNWFPYVW
GQGTLTITVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPTVSWNSGALTSGVHTFPAVLQSSGLYSLSVAVTPSSSLGTQTYICNVNHNKPSDTKVDKKVEPKS
CDKTHICTPPCPAPPVAGPSVFLFPPKPKDITLMISRTPEVTCVVVDVKHEDPEVKFNWVDGVGVEVHNAKTKPREEEYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKAL
PAPIEKTSKAKGQPREPQVYVTLPPSREEMTKNQVSLTCDVSFGFSPSDIAVEWESDGOQPENNYKTPPVLDSDGSFFLYSKLTVDKSRWEEQGDVFSCSVMEALHNHYT
QKSLSLSPGK

XENP14701 Anti-CD38 x Anti-CD3 Fab-scFv- Cadena Pesada 2 de Fc (Anti-CD3 scFv-Fc (αCD3 H1.31 L1.47)) (SEQ ID NO:95)

EVQLVESGGGLVQPGGSLRLSCAASGFTFTYAMSWVRQAPGKGLEWVGRIRSKYNINYATYYADSVKGRFTISRDDSKNTLYLQMNSLRAEDTAVYYCVRHGNFGDSY
VSWFAYWGGGTLITVSSGKPGSGKPGSGKPGSQAVVTQEPSLTVSPGGTVTLTSGSSTGAVTTSNVANWVQQKPGKSPRGLIGGTINKRAPGVPARFSGSLIG
GKAALTESGAQPEDEADYYCALWYSNHWVFGGGTKLTVLEPKSSDKTHTCPPCPAPPVAGPSVFLFPPKPKDITLMISRTPEVTCVVVDVKHEDPEVKFNWVDGVGVEVH
NAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYVTLPPSREQMTKNQVKLITCLVKGFYPSDIAVEWESNGQPENNYKTT
PPVLDSDGSFFLYSKLTVDKSRWQQGNVFCFSVMHEALHNHYTQKSLSLSPGK

XENP14701 Anti-CD38 x Anti-CD3 Fab-scFv-Cadena Ligera de Fc (Anti-CD38 (OKT10 L1)) (SEQ ID NO:96)

DNVMTQSPSSLSASVGDRVTITCRASQNVDTNVAWYQQKPGQSPKALIYASRYSGVPDRFTGSGSGTDFTLTISSLQPEDFATYFCQQYDSYPLTFGGGTGLEIKRTVA
APSVFIFFPSDEQLKSGTASVVCCLNNFYPREAKVQWVKVDNALQSGNSQESVTEQDSKDSITYSLSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

Figura 16

XENP14703 Anti-CD38 x Anti-CD3 Fab-scFv-Cadena Pesada 1 de Fc (Anti-CD38 Fab-Fc (OKT10 H1)) (SEQ ID NO:97)

EVQLVESGGGLVQPGGSLRLSCAASGFDERSWMNWNVRQAPGKGLEWVSEINPDSTINYATSVKGRFTISRDNKNTLYLQMNSLRAEDTAVYYCARYGNWFFPYW
GQGTLVTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPTVSWNSGALTSGVHTFPAVLQSSGLYSLSSVTVTPSSSLGTQTYICNVNHKPSDTKVDKKVEPKS
CDKTHITCPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVVDVKHEDPEVKFNWYVDGVEVHNAKTKPREEEYNSTYRVVSVLTVLHQDWLNGKEYCKVKVSNKAL
PAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVSGFGFYPSDIAVEWESDGGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRWEQGDVFCSCVMHEALHNHYT
QKSLSLSPGK

XENP14703 Anti-CD38 x Anti-CD3 Fab-scFv- Cadena Pesada 2 de Fc (Anti-CD3 scFv-Fc (αCD3 H1.31 L1.47)) (SEQ ID NO:98)

EVQLVESGGGLVQPGGSLRLSCAASGFTFTSTYAMSWVRQAPGKGLEWVGRIRSKYNNYATYADSVKGRFTISRDDSKNTLYLQMNSLRAEDTAVYYCVRHGNFGDSY
VSWFAYWGQGTITVTVSSGKPGSGKPGSGKPGSQAVVTQEPSLTVSPGGTVTLTCGSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLIG
GKAALTSGAQPEDEADYYCALWYSNHWVFGGGTKLTVLEPKSSDKTHTCPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVVDVKHEDPEVKFNWYVDGVEVH
NAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYCKVKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREQMTKNQVLTCLVKGFYPSDIAVEWESNGQPENNYKTT
PPVLDSDGSFFLYSKLTVDKSRWQQGNVFCSCVMHEALHNHYTQKSLSLSPGK

XENP14703 Anti-CD38 x Anti-CD3 Fab-scFv-Cadena Ligera de Fc (Anti-CD38 (OKT10 L1.53)) (SEQ ID NO:99)

DIVMTQSPSSLSASVGDRVTITCRASQNVDTNVAWYQQKPGQSPKALIYSASYRKSGVPDRFTGSGSGTDFTLTISSLQPEDFATYFCQQYDSYPLTFGGGKLEIKRTVA
APSVFIFPPSDEQLKSGTASVVCILNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKDSSTLSLTLSKADYEEKHKVYACEVTHQGLSSPVTKSFNRGEC

XENP13243 Anti-CD38 (OKT10, H1L1) x Anti-CD3 (H1.30, L1.47) Fab-scFv-Fc

HC 1 (Fab-Fc) (SEQ ID NO:100)

EVQLVESGGGLVQPGGSLRLSCAASGFDPSRWMINWVRQAPGKGLEWVSEINPDSSITNYATSVKGRFTISRDNSKNTLYLQMNSIRAEEDTAVVYCARYGNWFPYW
GGQGLTVTVSS/ASTKGPSVFPLAPSSKSTSGGTAALGCLVKDVEPEPTVSWNSGALTSGVHTFPAVLQSSGLYSLSVAVTPSSSLGTQTYICNVNHHKPSDTKVDKKVEPK
SCDKTHTCTCPGAPPVAGPSVFLPPKPKDTLMISRTPEVTCVVVDVKHEDPEVKFNWYVDGVEVHNAKTKPREEEYNSTYRVSVSLTVLHQDWLNGKEYKCKVSNKAL
PAPIETISKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVSAGFYPDSIAVEWESDGGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRWEEGQDFVSCSVMIHEALHNHYT
QKSLSLSPGK

HC 2 (scFv-Fc) (SEQ ID NO:101)

EVQLVESGGGLVQPGGSLRLSCAASGFTSTYAMNWVRQAPGKGLEWVGRIKSKYNNVATYYADSVKGRFTISRDSKNTLVQMNSLRAEDTAVVYCVRHGNEFGDS
YYVSWFAYWGQGLTVTVSSGKPGSGKPGSGKPGSQAVVTIQEPLTVSPGGTVTLTCGSSIGAVTISNYANWVQKPGKSPRGLIGTINKRAPGVPARFSGSLL
GGKAAALTISGAQPEDEADYCALWYSNHWVFGGGTKLTVL/EPKSSDKTHTCPCPAPPVAGPSVFLPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWVYVDGVE
VHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTIISKAKGQPREPQVYTLPPSREQMTKNQVKLTCLVKGHPYSDIAVEWESNGQPENNYK
TTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFTSCSMHEALTHINHVTQKSLSPGK

LC (SEQ ID NO:102)

DIVMTQSPSSLSASVGDRVTITCRASQNVDTINVAWYQQKPGQSPKALIVSASRYSGVPPDRFTGSGGTDFTLTISLQPEDFATYFCQQQYDSYPLIFGGGT/KLEIKRTV
AAPSVFIFPPSDEQLKSGTASVCLINNFYREAKVQWVKVDNALQSGNSQESVTEQDSKDSTYSLSSTLTLSKADYEKHKVACEVTHQGLSPVTKSFNRGEC

Figura 18

XENP18967 Anti-CD38 (OKT10_H1.77_L1.24) x Anti-CD3 (SP34_H1.32_L1.47) mAb-scFv

HC 1 (SEQ ID NO:103)

EVQLVESGGGLVQPGGSLRLSCAASGFTFSYSWMNWVRQAPGKGLEWVSEINPQSSTINVATSVKGRFTISRDN SKNTLYLQMNSLRAEDTAVYYCARYGNWFPPYWG
QGTLTVTVSS/ASTKGPSVFPLAPSSKSTSGGTAAEGCLVKDYEPETVTSWNSGALTSQVHTFPAVLQSSGLYSLSVVTVPSSSLGTQTYICNVNHPKPSDTKVDK KVEPKS
CDKTHTCPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVVDVKKHEDPEVKFNWVVDGVEVHNAKTPREEEYNSTYRVVSVLTVLHQDWLNGKEYCKCKVSNKAL
PAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVSGGFYPSDIAVEWESDGGQDENNYKTTTPVLDSDGSFFLYSKLTVDKSRWEQGDVFCSCVMHEALHNHYT
QKSLSLSPGK

HC 2 (SEQ ID NO:104)

EVQLVESGGGLVQPGGSLRLSCAASGFTFTYAMNWWVRQAPGKGLEWVGRIRSKANNYATYYADSVKGRFTISRDDS KNTLYLQMNSLRAEDTAVYYCVRHGNFGDS
YVSWFAYWGGQGLTVTVSS/GKPGSGKPGSGKPGSGKPGS/QAVVTQEPSTVSPGGTVTLTCGSSGTGAVTISNYANWVQKPGKSPRGIGGTINKRAPGVPARFSGS
ILGGKAALTISGAQPEDEADYYCALWYSNHWVFGGGTKLTVL/EPKSSDKTHTCPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVVDVKKHEDPEVKFNWVVDGV
EVHNAKTPREEQYNSTYRVVSVLTVLHQDWLNGKEYCKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREQMTKNQVKLTCLVKGFPYPSDIAVEWESNGQPENNY
KTTTPVLDSDGSFFLYSKLTVDKSRWQQGNVFCSCVMHEALHNHYTQKSLSLSPGK

LC (SEQ ID NO:105)

DIVMTQSPSSLSASVGDRVTITCRASONVDTWAWWQKPGQSPKALINSAASYRSGVDPDRFTGSGSGTIDFTLTISLQPEDFATYFCQQVDSPPLTFGGGTGLEIK/RTV
AAPSVEHFPSPDEQLKSGTASVVCLLNNFPYPREAKVQWVKVDNALQSGNSQESVTEQDSKDSYSLSTLTISKADYEKHKVYACEVTHQGLSPVTKSFNRGEC

Figura 19

XENP18971 Anti-CD38 (OKT10_H1L1) x Anti-CD3 (SP34_H1.32_L1.47) mAb-scFv

HC 1 (SEQ ID NO:106)

EVQLVESGGGLVQPGGSLRLSCAASGDFSRSWMNWVRQAPGKGLEWVSEINPDSSSTINYATSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCARYGNWEPYW
GGGTLVTVSS/ASTKGPSVFPLAPSSKSTGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSSGLYSLSSVTVPSSSLGTQTYICNVNHKPSDTKVKKEPK
SCDKTHTCPPCPAPPVAGPSVFLPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWYVDGVEVHNAKTKPREEEYNSTYRWVSLTVLHQDWLNGKEYCKCKVSNKAL
PAPIETISKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVSGFGFYPSDIAVEWESDGPENNYKTTTPVLDSDGSFFLYSKLTVDKSRWEQGDVFSCSVMHEALHNHYT
QKSLSPGK

HC 2 (SEQ ID NO:107)

EVQLVESGGGLVQPGGSLRLSCAASGFTFTYAMN.WVRQAPGKGLEWVGRIKANNYATYYADSVKGRFTISRDSKNTLYLQMNSLRAEDTAVYYCVRHGNFGDS
YVSWFAVWGQGLTVTVSS/GKPGSGKPGSGKPGSGKPGS/QAVVTQEPSTLVSPGGTVTLTGGSTGAVTTSNYANWVQQKPGKSPRGLIGGINKRAAGVPAFSGS
ILGKKAALTISGAQPEDEADYYCALWYSNHHWVFGGGTKLTVL/EPKSSDKTHTCPPCPAPPVAGPSVFLPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWYVDGV
EVHNAKTKPREEQYNSTYRWVSLTVLHQDWLNGKEYCKCKVSNKALPAPIETISKAKGQPREPQVYTLPPSREQMTKNQVKLTCLVKGFYPSDIAVEWESNGQPENNY
KTTTPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSPGK

LC (SEQ ID NO:108)

DIVMTQSPSSLSASVGDRTITCRASONVDTNVAWYQQKPGQSPKALIVSASRYSGVPDRFTGSGSGTDFTLTISSLQPEDFATYFCQQYDSYPLTFGGGKLEIK/RTV
AAPSIFIPPSDEQIKSGTASVCLLNINFPYREAKVQWKVDNALQSGNSQESVTEQDSKDSYSTLSLSTLTLSKADYEKHKVACEVTHQGLSPVTKSFNRGEC

Figura 20

XENP18969 Anti-CD38 (OKT10_H1L1.24) x Anti-CD3 (SP34_H1.33_L1.47) mAb-scFv

HC 1 (SEQ ID NO:109)

EVQLVESGGGLVQPGGSLRLSCAASGFDPSRSMWNVRRQAPGKGLEWVSEINPDSSITINATSVKGRFTISRDNKNTLYLQMNSLRAEDTAVYYCARYGNWFPYVW
GGGTLTVVSS/ASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSSGLYSLSVWTVPSSSLGTQTYICNVNHHKPSDTKVDKKVEPK
SCDKTHTCPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWYVDGVEVHNAKTKPREEEYNSTYRWVSVLTVLHQDWLNGKEYCKVSNKAL
PAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVSGFGFYPSDIAVEWESDGPENNYKTTTPVLDSDGSFFLYSKLTVDKSRWEQGDVFSCSVMHEALHNHYT
QKSLSLSPGK

HC 2 (SEQ ID NO:110)

EVQLVESGGGLVQPGGSLRLSCAASGFTFTYAMNWWRRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKNTLYLQMNSLRAEDTAVYYCVRHGNFGDS
YVSWFDYWGQGTLLTVVSS/GKPGSGKPGSGGKPGSGKPGS/QAVVTQEPSLTVSPGGTVTLTCGSSIGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGS
LLGGKAALTISGAQPEDEADYYCALWYSNHWVFGGGTKLTVL/EPKSSDKTHTCPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWYVDGV
EVHNAKTKPREEQYNSTYRWVSVLTVLHQDWLNGKEYCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREQMTKNQVKLTCLVKGFYPSDIAVEWESNGQPENNY
KTTTPVLDSDGSFFLYSKLTVDKSRWQQGNVFSQSVMHEALHNHYTQKSLSLSPGK

LC (SEQ ID NO:111)

DIVMTQSPSSLSASVGRVITTCRASQNVDTWVAWVYQKPGQSPKALYASARYSGVPDRFTGSGSGTDFLTITSLQPEDFATYFCQQYDSYPLTFGGGTKEIK/RTV
AAPSVFIFPPSDEQLKSGTASVVCCLINNFYPREAKVQWKVONALQSGNSQESVTEQDSKDYSLSTLTLSKADYEKHKVYACEVTHQQLSPVTKSFNRGEC

Figura 21

XENP18970 Anti-CD38 (OKT10_H1L1.24) x Anti-CD3 (SP34_H1.31_L1.47) mAb-scFv

HC 1 (SEQ ID NO:112)

EVQLVESGGGLVQPGGSLRLSCAASGFD^FSRSWMINWVRQAPGKGLEWVSEINPDSSTIN^VATSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVVYCARYGNWFPYVW
GQGT^LLVTVSS/ASTKGPSVFPLAPSSKSTSGGTAA^LGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSSGLYSLSSV^VTVPSSSLGTQTYICNVNHKPSDTKVDK^KKVEPK
SCDKTHTCPPCPA^PPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVVDV^KKHEDPEV^KFNWYVDGVGEVHN^AKT^KPREEEYNSTYRVSVLT^VLVHQDWLN^GKEY^KCKVSN^KKAL
PAPIEKTISKAKGQPREPQV^TLTLPSSREEMTKNQVSLTCDVSGFYPSDIAVEWESDGGQ^PENNYKTTTPVLDSDGSFFLYSKLTVDKSRWEQGDV^FSCSV^MHEALHNHYT
QKSLSLSPGK

HC 2 (SEQ ID NO:113)

EVQLVESGGGLVQPGGSLRLSCAASGFTF^TSYAMSWVRQAPGKGLEWVGRI^RSKYNNYATYYADSVKGRFTISRD^SSKNTLYLQMNSLRAEDTAVVYCV^RHGNEGDSY
VSWFAYWGQGT^LLVTVSS/GKPGSGKPGSGKPGSGKPGS/QAVVTQEP^SLTVSPGGT^VTLT^CGSSTIGAVIT^SSNYANWVQKPGKSPRG^LI^GGT^NKRAPGV^PAPR^FSGSLL
GGKAALTISGAQPEDEADY^CALWYSNHWVFGGGTK^LTVL/EPKSSDKTHTC^PPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVVDV^KKHEDPEV^KFNWYVDGVE
VHN^AKT^KPREEQYNSTYRVSVLT^VLVHQDWLN^GKEY^KCKVSNKALPAPIEKTISKAKGQPREPQV^TLTLPSSREQMT^KNQV^KLTCLVKGFPYPSDIAVEWESNGQ^PENNYK
TTPVLDSDGSFFLYSKLTVDKSRWQQGNV^FSCSV^MHEALHNHYTQKSLSLSPGK

LC (SEQ ID NO:114)

DIVMTQSPSSLSASVGRVTITCRASQNVDTWVAWYQQKPGQSPKALIN^SASYRYS^GVPDRFTGSGSGTDFTLT^ISSIQPEDFATYFCQQYDSY^PPLIFGGG^TKL^EIK/RTV
AAPSVFIFPPSDEQLKSGTASVVCCLINNFYFPREAKVQW^KVDNALQSGNSQESVTEQDSK^DSTYSL^SSTLTLSKADYEKHKV^ACEVTHQGLSSPV^TKS^FNRGEC

Figura 22

XENP18972 Anti-CD38 (OKT10_H1L1) x Anti-CD3 (SP34_H1.33_L1.47) mAb-scFv

HC 1 (SEQ ID NO:115)

EVQLVESGGGLVQPGGSLRLSCAASGFD~~FSRSWMINWVRQAPGKGLEWVSEINPDSS~~TINYATSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCARYGNWFPYVW
GQGTLLTVSS/ASTKGPSVFPLAPSSKSTSGGTAAALGCLVKDY~~PEPVT~~VSWN~~SGALT~~SGVHTFPAVLQSSGLYSLSVVTVPSSSLGTQTYICNVNHKPSDTKVDKKVEPK
SCDKTHTCPPCPAAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVVDVKHEDPEVKFNWYVDGVEVHNAKTKPREEEYNSTYRVSVLTVLHQDWLNGKEYCKVSNKAL
PAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVS~~GFYPSD~~IAVEWESDGGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRWEQGDVFCSCSYMHEALHNHYT
QKSLSLSPGK

HC 2 (SEQ ID NO:116)

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMINWVRQAPGKGLEWVGRIRSKYNNVATYADSVKGRFTISRDSDSKNTLYLQMNSLRAEDTAVYYCVRHGNFGDS
~~YWSWEDYWGQGTLLTVSS/GKPGSGKPGSGKPGSGKPGS/QA~~VVTQEP~~SLTVSPGGTVTLT~~CGSSTIGAVTTSNYANWVQKPGKSPRGLGGINKRAPGV~~PARFSGS~~
LLGGKAALTISGAQPEDEADYWCALWYNSHHWVFGGGTKLTVL/EPKSSDKTHTCPPCPAAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVVDVKHEDPEVKFNWYVDGV
EVHNAKTKPREEEQYNSTYRVSVLTVLHQDWLNGKEYCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREQMTKNQVKLTCLVKGFPYPSDIAVEWESNGQPENNY
KTTTPVLDSDGSFFLYSKLTVDKSRWQQGNVFCSCVMHEALHNHYTQKSLSLSPGK

LC (SEQ ID NO:117)

DIVMTQSPSSLSASVGDRVTITCRASQNVDTNVAWYQQKPGQSPKAL~~IYSASV~~RYSGVPDRFTGSGSGTDFTLTISSLQPEDFATYFCQQYDSYPLTFGGGT~~KLKIK~~/RTV
AAPSVFIFPPSDEQLKSGTASVWC~~LLNNFY~~PREAKVQWKVDNALQSGNSQESVTEQDSKDSTYSLSSTLTLSKADYEKHKWACEVTHQGLSSPVTKSFNRGEC

Figura 23

XENP18973 Anti-CD38 (OKT10_H1L1) x Anti-CD3 (SP34_H1.31_L1.47) mAb-scFv

HC 1 (SEQ ID NO:118)

EVQLVESGGGLVQPGGSLRLSCAASGFD~~FSRSWMNV~~ROAPGKGLIEWVSEINFDSSSTINYATSVKGRFTISRDNSKNTLYIQMNSLRAEDTAVYYCARYGNWJFPYVW
GQGTLTIVSS/ASTKGPSVFPLAPSSKSTGGTAALGCLVKDYFPEPEPTVSWNSGALTSGVHTFPAVLQSSGLYSLSVVTVPSSSLGTQTYICNVNHHKPSDTKVDDKKVEPK
SCDKTHTCPCPAPPVAGPSVFLPPKPKDILMISRTPEVTCVVDVKHEDPEVKFNWVVDGVEVHNAKTKPREEEYNSTYRVVSVLTVLHQDWLNGKEYCKKVSNAKAL
PAPIEKTISKAKGQPREPQVWTLPPSREEMTKNQVSLTCDVSGFYPSDIAVEWESDGPENNYKTPPVLDSDGSFFLYSKLTVDKSRWEQGDVFCFSVMHEALHNHYT
QKSLSLSPGK

HC 2 (SEQ ID NO:119)

EVQLVESGGGLVQPGGSLRLSCAASGFTFTYAMS~~WVROAPGKGL~~EWVGRIRSKYNNYATYYADSVKGRFTISRD~~DSKNTLY~~QMNLSRAEDTAVYYCVRHNGEGDSY
VSWFAYWGQGTIVTSS/GKPGSGKPGSGKPGKS/QAVVTQEP~~SLTVSPGGIVTLTCGSSIGAVTTSN~~YANWVQQKPGKSPRGLIGGTNKRAPGVPA~~RFSGSL~~
GGKAALTISGAQPEDEADY~~YCALWYS~~NH~~WVFGGGTKLTVL~~/EPKSSDKTH~~TCPPCPAPPVAGPSVFLFPKPKDILMISRTPEVTCVVDVKHEDPEVKFNWVVDGVE~~
VHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYCKKVSNAKALPAIEK~~TISKAKGQPREPQVWTLPPSREQMTKNQVKLTCLVKGP~~PSDIAVEWESNGQDENNYK
TPPVLDSDGSFFLYSKLTVDKSRWQQG~~NVFCFSVMHEALHNHYTQKSLSLSPGK~~

LC (SEQ ID NO:120)

DIVMTQSPSSLSASVGDRVTITCRASQNV~~DTINAVW~~QQKPGQSPKAL~~IYSASRYSGVPDRFTGSGGTDFTLTISS~~LPEDFATYFCQQYDSYPLTIFGGGKLEIK/RTV
AAPSVFIFPPSDEQLKSGTASVVCCLINNFYPREAKVQWVKVDNALQSGNSQESVTEQDSNDSYSLSTITLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

Figura 24

XENP15055 Anti-CD38 (OKT10_H1L1, CD38low) x Anti-CD3 (H1.33_11.47, CD3med) Fab-scFv-Fc

HC 1 (Fab-Fc) (SEQ ID NO:121)

EVQLVESGGGLVQPGGSLRLSCAASGFDTSRSMNWVRQAPGKGLWVSEINPDSTINATSVKGRFTISRDNSEKNTLYIQMNSLRAEDTAVYYCARYGNWFPYVW
GQGTLLTVSSASTKGPSVFLAPSSKTSGGTAALGCLVKDYFPEPTVSWNSGALTSGVHTFPAVLQSSGLYSLSSVATVPSSSLGTQTYICNVNHHKPSDTKYVDKKVEPK
SCDKTHITCPPCAPPVAGPSVFLPPKPKDTLMISRTPEVTCVWVDVKHEDPEVKFNWVDGVEVHNAKTKPREEEYNSTYRVVSVLTVLHQDWLNGKEYCKCKVSNKA
LPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVSGFYPDSIAVEWESDGGPENNYKTPPVLDSDGSFFLYSKLTVDKSRWEEQGDVFSCSVMEALHNHY
TQKSLSLSPGK

HC 2 (scFv-Fc) (SEQ ID NO:122)

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWNVRQAPGKGLWVGRIRSKYNNYATYADSVKGRFTISRDDSKNTLYLQMNSLRAEDTAVYYCVRHGNFGD
SYVSWFDYWGQGTLLTVSSGKPGSGKPGSGKPGSQAVVTQEPSLTVSPGGTVTLTCGSSTGAVTTSNANWVQQKPGKSPRGLIGGTNKRAPGVPARFSGS
LLGGKAALTISGAQPEDEADYYCALWYSNHWVFGGGTKLTVLEPKSSDKTHITCPPCAPPVAGPSVFLPPKPKDTLMISRTPEVTCVWVDVKHEDPEVKFNWVVDGV
EVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYCKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREQMTKNQVKLTCLVKGFYPSDIAVEWESNGQPENN
YKTPPVLDSDGSFFLYSKLTVDKSRWQQGNVVFSCSVMEALHNHYTQKSLSLSPGK

LC (SEQ ID NO:123)

DIVMTQSPSSLSASVGDRTITCRASQNVDTNVAWYQQKPGQSPKALYASRYSGVPDRFTGSGSGTDFTLTISISIQPEDFAFYFCQQYQVDSYPLTFGGGGTKLEIKRTV
AAPSVFIFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKDSYSLSTLTLSKADYEEKHKWACEVTHQGLSSPVTKSFNRGEC

Figura 25

XENP13544 Anti-CD38 (OKT10_H1L1, CD38low) x Anti-CD3 (H1.79_L1.48) Fab-scFv-Fc

HC 1 (Fab-Fc) (SEQ ID NO:124)

EVQLVESGGGLVQPGGSLRLSCAASGFDTSRSMWVRRQAPGKGLEWVSEINPDSSSTINVATSVKGRFTISRDNKNTLYLQMNSLRAEDTAVYVCARYGNWFFPYW
GQGTLTVTSSASTKGPSVFPLAPSSKSTSGGTAAAGCLVKDYFPEPTVSWNSGALTSGVHTFPAVLQSSGLYSLSVVTVPSSSLGTQTYICNVNHKPSDTKVDKKVEPK
SCDKTHTCPPCPAPPVAGPSVFELPPPKKDTLMISRTPEVTCVVVDVKHEDPEVKFNWYVDGVEVHNAKTKPREEEYNSTYRVWVSLTVLHQDWLNGKEYCKCKVSNKA
LPAPIEKTSKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVSGFYPSDIAVEWESDGGQPENNYKTPPVLDSGGSFFLYSKLTVDKSRWEQGDVFCSCVMHEALHNHY
TQKSLSLSPGK

HC 2 (scFv-Fc) (SEQ ID NO:125)

EVQLVESGGGLVQPGGSLRLSCAASGFTFTYAMNWRQAPGKCLEWVGRIRSKYNNVATYYADSVKGRFTISRDDSKNTLYLQMNSLRAEDTAVYVCVRHGNFGDS
YVSWFAYWGQGTITVTSYGKPGSGKPGSGKPGSQAVVTQEPSTVSPGGTTLTSGSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPAFSGSL
LGGKAALTISGAQPEDEADYYCALWYSNHWVFGCGTKLTVLEPKSSDKTHTCPPCPAPPVAGPSVFELPPPKKDTLMISRTPEVTCVVVDVKHEDPEVKFNWVVDGVE
VHNAKTKPREEQYNSTYRVWVSLTVLHQDWLNGKEYCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREQMTKNQVLTCLVKGFYPSDIAVEWESNGQPENNY
KTPPVLDSGGSFFLYSKLTVDKSRWQQGNVFCSCVMHEALHNHYTQKSLSISPGK

LC (SEQ ID NO:126)

DIVMTQSPSSLSASVGDRVTITCRASQNVDTNVAWYQKPGQSPKALIYSASYRSGVPDRFTSGSGTDFTLTISIQLPEDFATYFCQQYDSYPLTGGGTGLEIKRTV
AAPSVEFPSPDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKDSSTYLSLTLSKADYEEKHWACEVTHQGLSSPVTKSFNRGEC

Figura 26

XENP13694 Anti-CD38 (OKT10_H1.77_L1.24, CD38high) x Anti-CD3 (H1.79_L1.48) Fab-scFv-Fc

HC.1 (Fab-Fc) (SEQ ID NO:127)

EVQLVESGGGLVQPGGSLRLSCAASGFTFSYSWMNWRQAPGKGLEWVSEINPQSSTINVATSVKGRFTISRDNKNTLYLQMNSLRAEDTAVYCYARYGNWFPYVW
GQGLTVTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPTVSWNSGALTSGVHTFPAVLQSSGLYSLSVTVTPSSSLGTQTYICNVNHHKPSDTKVDKKVEPK
SCDKTHTCPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWVVDGVEVHNAKTKPREEEYNSTYRWVSVLTVLHQDWLNGKEYCKCKVSNKA
LPAPIKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVSGFYPDSIAVEWESDGGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRWEQGDVFCSCVMHEALHNHY
TQKSLSLSPGK

HC.2 (scFv-Fc) (SEQ ID NO:128)

EVQLVESGGGLVQPGGSLRLSCAASGFTFSYAMNWRQAPGKCLEWVGRIRSKYNNYATYADSVKGRFTISRDDSKNTLYLQMNSLRAEDTAVYCVRHGNFGDS
YVSWFAYWGQGLTVTVSSGKPGSGKPGSGKPGSQAVVTQEPSLTVSPGGTVTLTGGSTGAVTTSNYANWVQQKPGKSPRGLIGGTNKRAPGVPARFSGSL
LGKKAALTISGAQPEDEADYICALWYSNHWVFGCGTKLTVLEPKSSDKTHTCPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWVVDGVE
VHNAKTKPREEQYNSTYRWVSVLTVLHQDWLNGKEYCKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREQMTKNQVKLTCLVKGFYPSDIAVEWESNGQPENNY
KTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFCSCVMHEALHNHYTQKSLSLSPGK

LC (SEQ ID NO:129)

DIVMTQSPSSLSASVGDRTITCRASQNVDTWVAWYQQKPGQSPKALISASYRSGVPDRFTGSGSGDTFTLTISLQPEDFATYFCQQYDSYPLTFGGGTGLEIKRTV
AAPSVFIFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKDSSTYSLSLTLSKADYEEKHKWACEVTHQGLSSPVTKSFNRGEC

Figura 27

>sp| P07766|CD3E_HUMAN T-cadena épsilon de glicoproteína CD3 de la superficie de células T

(SEQ ID NO:130)

MQSGTHWRVLGLCLSVGWVGQDGNEEMGGITQTPYKVSISGTTVILTCPQYPGSEILWQ

HNDKNIGGDEDDKNIGSDEDHLSLKEFSELEQSGYYVCYPRGSKPEDANFYLYLRARVCE

NCMEMDVMSVATIVIVDITGGLLLLVEYWSKNRKAKAKPVTRGAGAGGRQGRGQNKERP

PPVFNPDYEPIRKGQRDLYSGLNQRR

Figura 28

Secuencia de CD38 humana, "/" indica la unión con el dominio extracelular (ECD)

(SEQ ID NO:131)

MANCEFSVPVSGDKPCCRLSRAQLCLGVSILVLILVVLA/VV/VPRWRQQWSGPGTTKRFP
ETVLARCVKYTEIHPMRHVDCQSVWDAFKGAFISKHPCNITEEDYQPLMKLGTQTVPCN
KILLWSRIKDLAHQFTQVQRDMFTLEDTLGLYADDLTWCGEFNTSKINYQSCPDWRKDC
SNNPVSVFWKTVSRRFAEAACDVVHVMLNGSRKIFDKNSTFGSVEVHNLQPEKVQTLEA
WVIHGGREDSRDLCQDPTIKELESIISKRNIFSCKNYRPDKFLQCVKNPEDSSCTSEI

Dominio ECD (SEQ ID NO:132)

VPRWRQQWSGPGTTKRFPETVLARCVKYTEIHPMRHVDCQSVWDAFKGAFISKHPCNITEEDYQPLMKLGTQTVPC
NKILLWSRIKDLAHQFTQVQRDMFTLEDTLGLYADDLTWCGEFNTSKINYQSCPDWRKDC
SNNPVSVFWKTVSRRFAEAACDVVHVMLNGSRKIFDKNSTFGSVEVHNLQPEKVQTLEA
WVIHGGREDSRDLCQDPTIKELESIISKRNIFSCKNYRPDKFLQCVKNPEDSSCTSEI

Figura 29A

Monómero 1	Monómero 2
F405A	T394F
S364D	Y349K
S364E	L368K
S364E	Y349K
S364F	K370G
S364H	Y349K
S364H	Y349T
S364Y	K370G
T411K	K370E
V397S/F405A	T394F
K370R/T411K	K370E/T411E
L351E/S364D	Y349K/L351K
L351E/S364E	Y349K/L351K
L351E/T366D	L351K/T366K
P395T/V397S/F405A	T394F
S364D/K370G	S364Y/K370R
S364D/T394F	Y349K/F405A
S364E/F405A	Y349K/T394F
S364E/F405S	Y349K/T394Y
S364E/T411E	Y349K/D401K
S364H/D401K	Y349T/T411E
S364H/F405A	Y349T/T394F
S364H/T394F	Y349T/F405A
Y349C/S364E	Y349K/S354C
L351E/S364D/F405A	Y349K/L351K/T394F
L351K/S364H/D401K	Y349T/L351E/T411E
S364E/T411E/F405A	Y349K/T394F/D401K
S364H/D401K/F405A	Y349T/T394F/T411E
S364H/F405A/T411E	Y349T/T394F/D401K

Figura 29B

Monómero 1	Monómero 2
K370E/T411D	T411K
L368E/K409E	L368K
Y349T/T394F/S354C	S364H/F405A/Y349C
T411E	D401K
T411E	D401R/T411R
Q347E/K360E	Q347R
L368E	S364K
L368E/K370S	S364K
L368E/K370T	S364K
L368E/D401R	S364K
L368E/D401N	S364K
L368E	E357S/S364K
L368E	S364K/K409E
L368E	S364K/K409V
L368D	S364K
L368D/K370S	S364K
L368D/K370S	S364K/E357L
L368D/K370S	S364K/E357Q
T411E/K360E/Q362E	D401K
K370S	S364K
L368E/K370S	S364K/E357Q
K370S	S364K/E357Q
T411E/K360D	D401K
T411E/K360E	D401K
T411E/Q362E	D401K
T411E/N390D	D401K
T411E	D401K/Q347K
T411E	D401K/Q347R
T411E/K360D/Q362E	D401K

Figura 29C

Monómero 1	Monómero 2
T411E/K360E/N390D	D401K
T411E/Q362E/N390D	D401K
T411E/Q347R	D401K/K360D
T411E/Q347R	D401K/K360E
T411E/K360	D401K/Q347K
T411E/K360D	D401K/Q347R
T411E/K360E	D401K/Q347K
T411E/K360E	D401K/Q347R
T411E/S364K	D401K/K370S
T411E/K370S	D401K/S364K
Q347E	E357Q
Q347E	E357Q/Q362K
K360D/Q362E	Q347R
K360D/Q362E	D401K
K360D/Q362E	Q347R/D401K
K360E/Q362E	Q347R
K360E/Q362E	D401K
K360E/Q362E	Q347R/D401K
Q362E/N390D	D401K
Q347E/K360D	D401N
K360D	Q347R/N390K
K360D	N390K/D401N
K360E	Y349H
K370S/Q347E	S364K
K370S/E357L	S364K
K370S/E357Q	S364K
K370S/Q347E/E357L	S364K
K370S/Q347E/E357Q	S364K

Figura 29D

Monómero 1	Monómero 2
L368D/K370S/Q347E	S364K
L368D/K370S/E357L	S364K
L368D/K370S/E357Q	S364K
L368D/K370S/Q347E/E357L	S364K
L368D/K370S/Q347E/E357Q	S364K
L368E/K370S/Q347E	S364K
L368E/K370S/E357L	S364K
L368E/K370S/E357Q	S364K
L368E/K370S/Q347E/E357L	S364K
L368E/K370S/Q347E/E357Q	S364K
L368D/K370T/Q347E	S364K
L368D/K370T/E357L	S364K
L368D/K370T/E357Q	S364K
L368D/K370T/Q347E/E357L	S364K
L368D/K370T/Q347E/E357Q	S364K
L368E/K370T/Q347E	S364K
L368E/K370T/E357L	S364K
L368E/K370T/E357Q	S364K
L368E/K370T/Q347E/E357L	S364K
L368E/K370T/Q347E/E357Q	S364K
T411E/Q362E	D401K/T411K
T411E/N390D	D401K/T411K
T411E/Q362E	D401R/T411R
T411E/N390D	D401R/T411R
Y407T	T366Y
F405A	T394W
T366Y/F405A	T394W/Y407T
Y407A	T366W
T366S/L368A/Y407V	T366W
T366S/L368A/Y407V/Y349C	T366W/S354C

Figura 29E

Monómero 1	Monómero 2
K392D/K409D	E356K/D399K
K370D/K392D/K409D	E356K/E357K/D399K
I199T/N203D/K247Q/R355Q/N384S/K392N/V397M/Q419E/K447_	Q196K/I199T/P217R/P228R/N276K
I199T/N203D/K247Q/R355Q/N384S/K392N/V397M/Q419E/K447_	Q196K/I199T/N276K
N384S/K392N/V397M/Q419E	N276K
D221E/P228E/L368E	D221R/P228R/K409R
C220E/P228E/L368E	C220R/E224R/P228R/K409R
F405L	K409R
T366I/K392M/T394W	F405A/Y407V
T366V/K409F	L351Y/Y407A
T366A/K392E/K409F/T411E	D399R/S400R/Y407A
L351K	L351E
I199T/N203D/K247Q/R355Q/Q419E/K447_	Q196K/I199T/P217R/P228R/N276K
I199T/N203D/K247Q/R355Q/Q419E/K447_	Q196K/I199T/N276K
I199T N203D K274Q R355Q N384S K392N V397M Q419E DEL447	
N208D Q295E N384D Q418E N421D	
N208D Q295E Q418E N421D	
Q196K I199T P217R P228R N276K	
Q196K I199T N276K	
E269Q E272Q E283Q E357Q	
E269Q E272Q E283Q	
E269Q E272Q	
E269Q E283Q	
E272Q E283Q	
E269Q	

Figura 30 Variantes de pI

<u>Región constante variante</u>	<u>Sustituciones</u>
pI_ISO(-)	I199T N203D K274Q R355Q N384S K392N V397M Q419E DEL447
pI_(-)_isosteric_A	N208D Q295E N384D Q418E N421D
pI_(-)_isosteric_B	N208D Q295E Q418E N421D
pI_ISO(+RR)	Q196K I199T P217R P228R N276K
pI_ISO(+)	Q196K I199T N276K
pI_(+)_isosteric_A	E269Q E272Q E283Q E357Q
pI_(+)_isosteric_B	E269Q E272Q E283Q
pI_(+)_isosteric_E269Q/E272Q	E269Q E272Q
pI_(+)_isosteric_E269Q/E283Q	E269Q E283Q
pI_(+)_isosteric_E272Q/E283Q	E272Q E283Q
pI_(+)_isosteric_E269Q	E269Q

Figura 31 Variantes de anulación

Variante	Variante(s), cont.
G236R	P329K
S239G	A330L
S239K	A330S/P331S
S239Q	I332K
S239R	I332R
V266D	V266D/A327Q
S267K	V266D/P329K
S267R	S267R/A327Q
H268K	S267R/P329K
E269R	G236R/L328R
299R	E233P/L234V/L235A/G236del/S239K
299K	E233P/L234V/L235A/G236del/S267K
K322A	E233P/L234V/L235A/G236del/S239K/A327G
A327G	E233P/L234V/L235A/G236del/S267K/A327G
A327L	E233P/L234V/L235A/G236del
A327N	S239K/S267K
A327Q	267K/P329K
L328E	
L328R	
P329A	
P329H	

Figura 32

Monómero de scFv (+)	Monómero Fab (-)
Variantes de pl de heterodimerización S364K/E357Q	Variantes de pl de heterodimerización L368D/K370S
Enlazador cargado de scFv opcional incluyendo, pero sin limitación (GKPGS) ₄ (SEQ ID NOS 142 & 158)	Sustituciones de pl/isostéricas N208D/Q295E/N384D/Q418E/N421D
FcKO E233P/L234V/L235A/G236del/S267K	FcKO E233P/L234V/L235A/G236del/S267K
± 428L/434S para FcRn	± 428L/434S para FcRn
scFv de anti-CD3	Secuencias de Fv para anti-CD38

Monómero de scFv	Monómero Fab
Variantes de pl de heterodimerización S364K/E357Q	Variantes de pl de heterodimerización L368D/K370S
Enlazador cargado de scFv opcional incluyendo, pero sin limitación (GKPGS) ₄ (SEQ ID NOS 142 & 158)	Sustituciones de pl I199T N203D K274Q R355Q Q419E K447del
FcKO E233P/L234V/L235A/G236del/S267K	FcKO E233P/L234V/L235A/G236del/S267K
± 428L/434S para FcRn (opcional)	± 428L/434S para FcRn (opcional)
scFv de anti-CD3	scFv de anti-CD38

Figura 33A

Enlazadores de scFv con carga positiva

Nombre	Secuencia	Longitud	Carga	SEQ ID NO:
Gly-Ser 15	GGGGS GGGGS GGGGS	15	0	133
Enlazador whitlow	GSTSGSGKPGSGEGSTKG	18	+1	134
6paxA_1 (+A)	IRPRAIGGSKPRVA	14	+4	135
+B	GKGGSGKGGSGKGGG	15	+3	136
+C	GGKSGGGKSGGGKGS	15	+3	137
+D	GGGKSGGGKSGGGKS	15	+3	138
+E	GKGKSGKGKSGKGKS	15	+6	139
+F	GGGKSGGGKSGKGGG	15	+3	140
+G	GKPGSGKPGSGKPGS	15	+3	141
+H	GKPGSGKPGSGKPGSGKPGS	20	+4	142
+I	GKGKSGKGKSGKGKSGKGKS	20	+8	143

Enlazadores de scFv con carga negativa

Nombre	Secuencia	Longitud	Carga	SEQ ID NO:
Gly-Ser 15	GGGGS GGGGS GGGGS GGGGS	20	0	144
3hsc_2 (-A)	STAGDTHLGGEDFD	14	-4	145
-B	GEGGS GEGGS GEGGS	15	-3	146
-C	GGEGSGEGSGGEGS	15	-3	147
-D	GGGESGGGESGGGES	15	-3	148
-E	GEGESGEGESGEGES	15	-6	149
-F	GGGESGGEGSGEGGS	15	-3	150
-G	GEGESGEGESGEGESGEGES	20	-8	151

Figura 33B

Enlazadores de scFv

GGGGSGGGSGGGGS	(SEQ ID NO:152)
GGGGSGGGSGGGSGGGGS	(SEQ ID NO:153)
GSTSGSGKPGSGEGSTKG	(SEQ ID NO:154)
PRGASKSGSASQTGSAPGS	(SEQ ID NO:155)
GTAAAGAGAAGGAAAGAAG	(SEQ ID NO:156)
GTSGSSGSGSGGSGSGGGG	(SEQ ID NO:157)
GKPGSGKPGSGKPGSGKPGS	(SEQ ID NO:158)

Figura 34

XENP	Variante de sesgo hacia heterodímero, Cadena 1	Variante de sesgo hacia heterodímero, Cadena 2	Rendimiento de heterodímeros (%)	CH3 Tm (°C)
12757	ninguna	ninguna	52.7	83.1
12758	L368D/K370S	S364K	94.4	76.6
12759	L368D/K370S	S364K/E357L	90.2	77.2
12760	L368D/K370S	S364K/E357Q	95.2	77.5
12761	T411E/K360E/Q362E	D401K	85.6	80.6
12496	L368E/K370S	S364K	91.5	n.d.
12511	K370S	S364K	59.9	n.d.
12840	L368E/K370S	S364K/E357Q	59.5	n.d.
12841	K370S	S364K/E357Q	90.4	n.d.
12894	L368E/K370S	S364K	41.0	n.d.
12895	K370S	S364K	49.3	n.d.
12896	L368E/K370S	S364K/E357Q	73.9	n.d.
12901	K370S	S364K/E357Q	87.9	n.d.

Figura 35

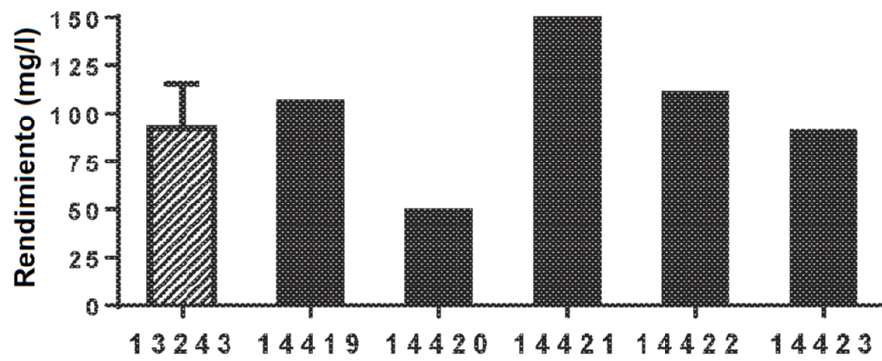


Figura 36

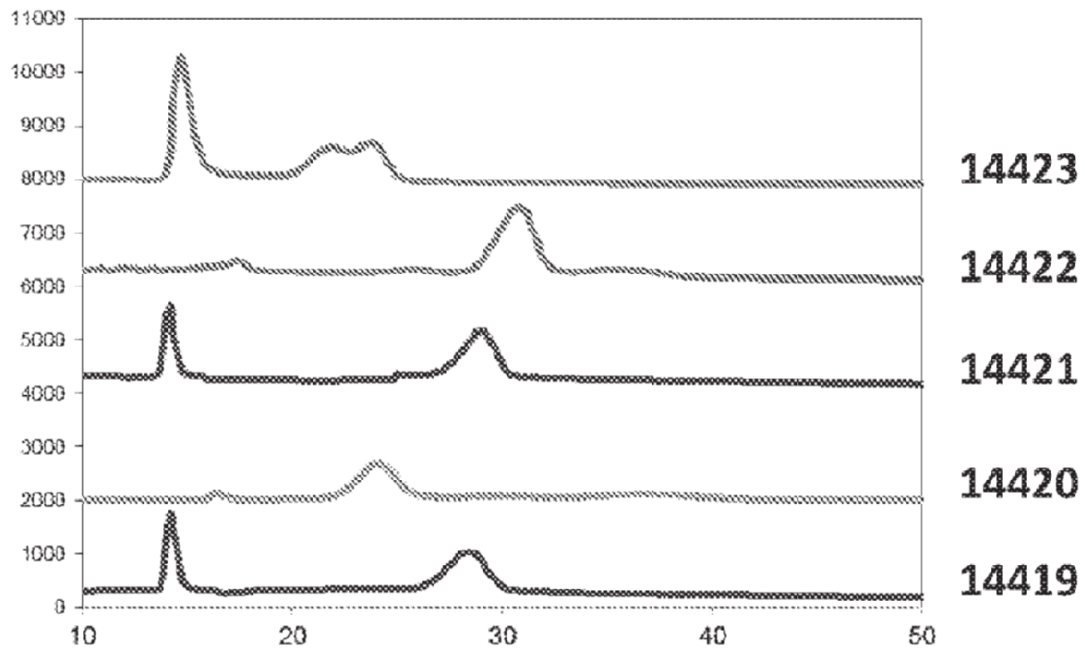


Figura 37

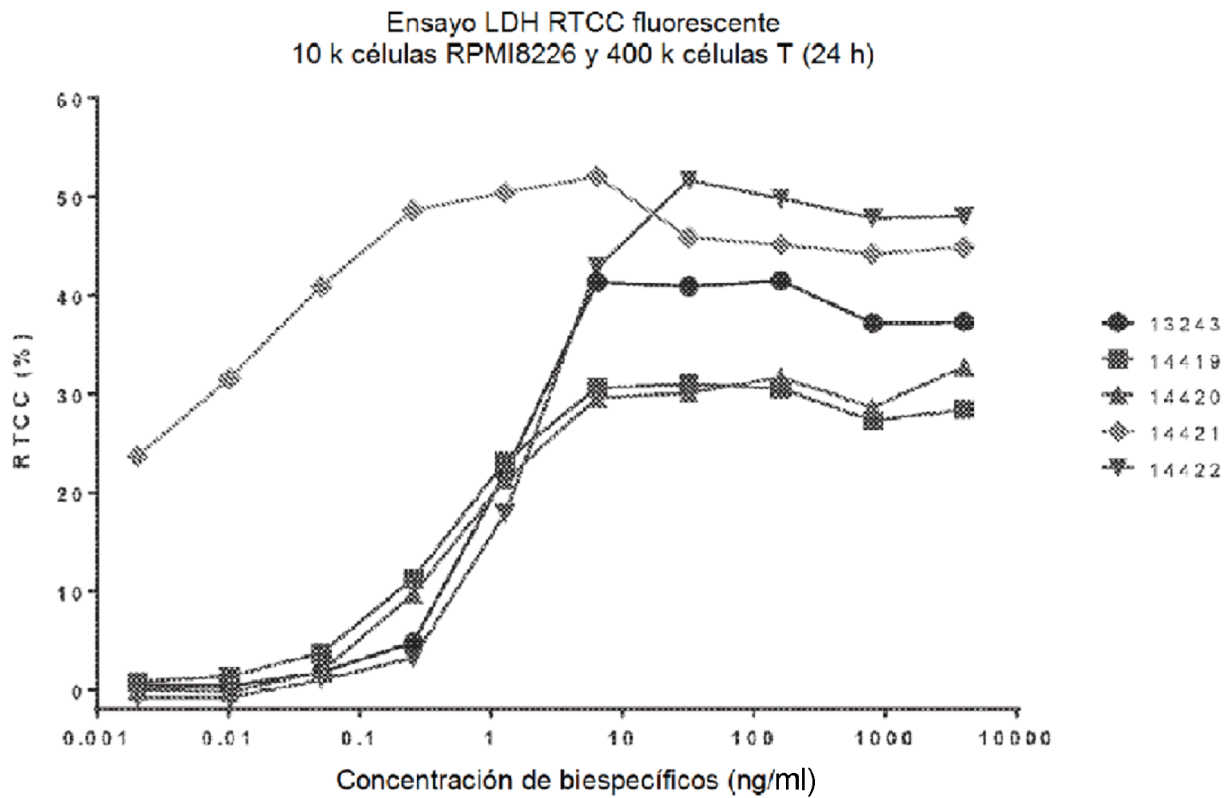


Figura 38

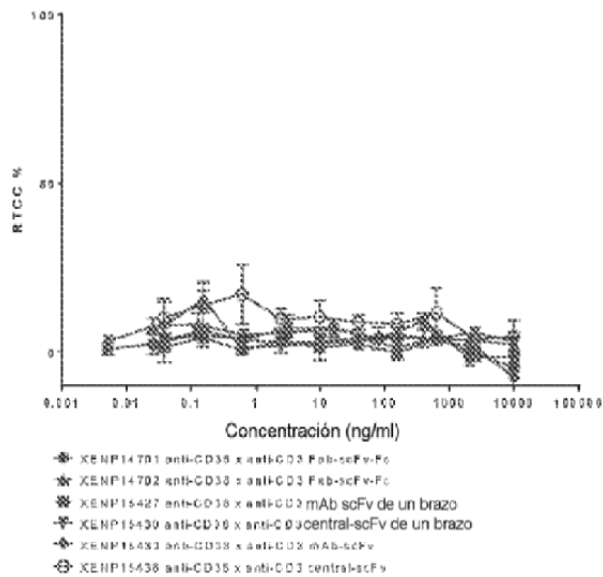
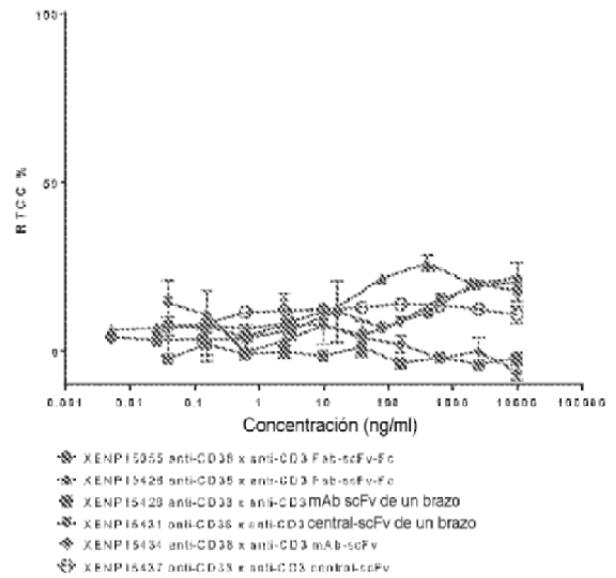
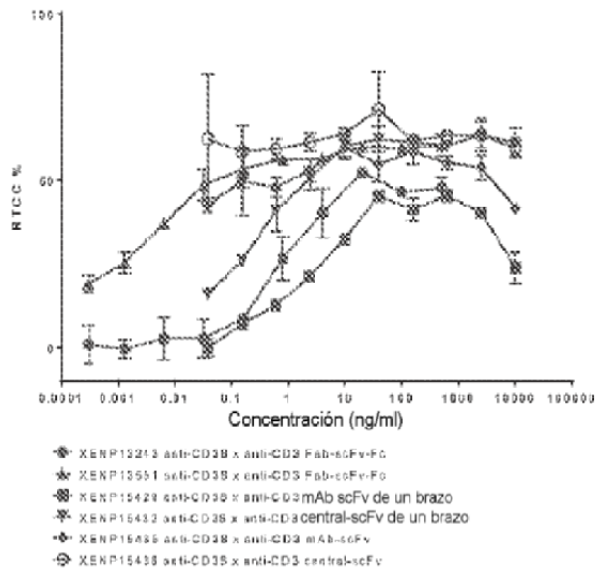


Figura 39

XENP14419 Anti-CD38 (OKT10_H1L1) x Anti-CD3 (H1.30_L1.47) mAb-scFv

HC 1 (SEQ ID NO:159)

EVQLVESGGGLVQPGGSLRLSCAASGFD~~FS~~RSWMNWVRQAPGKGLEWVSEINPDSSTINYATSVKGRFTISRDNSKNT
LYLQMNSLRAEDTAVYYCARYGNWFPYWGQGLTVVSS/ASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVS
WNSGALTSGVHTFPAVLQSSGLYSLSSVTVPSSSLGTQTYICNVNHKPSDTKVDKKVEPKSCDKTHTCPPCPAPPVAG
PSVFLFPPKPKDTLMISRTPEVTCVVVDVKHEDPEVKFNWYVDGVEVHNAKTKPREEEYNSTYRVVSVLTVLHQDWLN
GKEYCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVSGFYPSDIAVEWESDGGQPENNYKTP
PVLDSGGSFFLYSKLTVDKSRWEQGDVFSCVMHEALHNHYTQKSLSLSPGK

HC 2 (SEQ ID NO:160)

EVQLVESGGGLVQPGGSLRLSCAASGFD~~FS~~RSWMNWVRQAPGKGLEWVSEINPDSSTINYATSVKGRFTISRDNSKNT
LYLQMNSLRAEDTAVYYCARYGNWFPYWGQGLTVVSS/ASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVS
WNSGALTSGVHTFPAVLQSSGLYSLSSVTVPSSSLGTQTYICNVNHKPSNTKVDKKVEPKSCDKTHTCPPCPAPPVAG
PSVFLFPPKPKDTLMISRTPEVTCVVVDVKHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLN
GKEYCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREQMTKNQVKLTCLVKGFYPSDIAVEWESNGQPENNYKTT
PPVLDSGGSFFLYSKLTVDKSRWQQGNVFCVMHEALHNHYTQKSLSLSPGKGGGGSGGGGGG/EVQLVESG
GGLVQPGGSLRLSCAASGFTFSTYAMINWVRQAPGKGLEWVGIRSKYNNYATYYADSVKGRFTISRDDSKNTLYLQM
NSLRAEDTAVYYCVRHGNFGDSYVSWFAYWGQGLTVVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSTVSPGGT
VTLTCGSSTGAVTTSNYANWVQKPGKSPRGUGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCALWYS
NHWVFGGGTKLTVL

LC (SEQ ID NO:161)

DIVMTQSPSSLSASVGDRVTITCRASQNVDTNVAWYQQKPGQSPKALIYSA~~SYRYS~~GVPRFTGSGSGTDFTLTISLQP
EDFATYFCQQYDSYPLTFGGGT/KLEIKRTVAAPSVFIFPPSDEQLKSGTASVVCLENNFYPREAKVQWKVDNALQSGNS
QESVTEQDSKDSYSLSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

Figura 40

XENP14420 Anti-CD38 (OKT10_H1L1) x Anti-CD3 (H1.30_L1.47) mAb-Fv

HC 1 (SEQ ID NO:162)

EVQLVESGGGLVQPGGSLRLSCAASGFDFSRSWMNWVRQAPGKGLEWVSEINPDSSTINYATSVKGRFTISRDNSKNT
LYLQMNSLRAEDTAVYYCARYGNWFPYWGQGLTVTVSS/ASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPTVS
WNSGALTSGVHTFPAVLQSSGLYSLSSVTVPSSSLGTQTYICNVNHKPSDTKVDKKVEPKSCDKTHCTPPCPAPPVAG
PSVFLFPPKPKDTLMISRTPEVTCVVVDVKHEDPEVKFNWYVDGVEVHNAKTKPREEYNSTYRVVSVLTVLHQDWLN
GKEYCKVSNKALPAPIEKISKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVSGFYPSDIAVEWESDGGQPENNYKTP
PVLDSGSGFFLYSKLTVDKSRWEQGDVFSCVMHEALHNHYTQKSLSLSPGKGGGGSGGGSGGGGS/EVQLVESGG
GLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKNTLYLQMN
SLRAEDTAVYYCVRHGNFGDSYVSWFAYWGQGLTVTVSS

HC 2 (SEQ ID NO:163)

EVQLVESGGGLVQPGGSLRLSCAASGFDFSRSWMNWVRQAPGKGLEWVSEINPDSSTINYATSVKGRFTISRDNSKNT
LYLQMNSLRAEDTAVYYCARYGNWFPYWGQGLTVTVSS/ASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPTVS
WNSGALTSGVHTFPAVLQSSGLYSLSSVTVPSSSLGTQTYICNVNHKPSNTKVDKKVEPKSCDKTHCTPPCPAPPVAG
PSVFLFPPKPKDTLMISRTPEVTCVVVDVKHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLN
GKEYCKVSNKALPAPIEKISKAKGQPREPQVYTLPPSREQMTKNQVKLTCLVKGFYPSDIAVEWESNGQPENNYKTT
PPVLDSGSGFFLYSKLTVDKSRWQQGNVFCVMHEALHNHYTQKSLSLSPGKGGGGSGGGSGGGGS/QAVVTQE
PSLTVSPGGTVTLTCGSSTGAVTTSNYANWVQOKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEA
DYICALWYSNHWVFGGGTKLTVL

LC (SEQ ID NO:164)

DIVMTQSPSSLSASVGDRVTITCRASQNVDTNVAWYQKPGQSPKALIYSASYRYSGVDPDRFTGSGSGTDFTLTISLQP
EDFATYFCQQYDSYPLTFGGGT/KLEIKRTVAAPSVFIFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSGNS
QESVTEQDSKDSSTLSLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

Figura 41

XENP14421 Anti-CD38 (OKT10_H1L1) x Anti-CD3 (H1.30_L1.47) central-scFv

HC 1 (SEQ ID NO:165)

EVQLVESGGGLVQPGGSLRLSCAASGFD~~FSRSWMN~~WVRQAPGKGLEWVSEINPDSS~~TINYATSVKGRFTISRDNSKNT~~
LYLQMNSLRAEDTAVYYCARYGNWFPYWGQGT~~LVTVSS/ASTKGPSVFPLAPSSKSTSGGTAA~~LGCLVKDYFPEPVTVS
WNSGALTSGVHTFPAVLQSSGLYSLSSVTVPS~~SSLGTQTYICNVNHKPSDTKVDKKVEPKSCDKTHTCPPCP~~APPVAG
PSVFLFPPKPKDTLMISRTPEVTCVVVDVKHEDPEVKFNWYVDGVEVHNAKTKPREEEYNSTYRVVSVLTVLHQDWLN
GKEYCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVSGFYPSDIAVEWESDGGQPENNYK~~TTP~~
PVLDSGGSFFLYSKLTVDKSRWEQGDVFSCSV~~MHEALHNHYTQKSLSLSPGK~~

HC 2 (SEQ ID NO:166)

EVQLVESGGGLVQPGGSLRLSCAASGFD~~FSRSWMN~~WVRQAPGKGLEWVSEINPDSS~~TINYATSVKGRFTISRDNSKNT~~
LYLQMNSLRAEDTAVYYCARYGNWFPYWGQGT~~LVTVSS/ASTKGPSVFPLAPSSKSTSGGTAA~~LGCLVKDYFPEPVTVS
WNSGALTSGVHTFPAVLQSSGLYSLSSVTVPS~~SSLGTQTYICNVNHKPSNTKVDKKVEPKSCGGGGSGGGGS/~~EVQLV
ESGGGLVQPGGSLRLSCAASGFTF~~STYAMN~~WVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRD~~DSKNTLYL~~
QMNSLRAEDTAVYYCVRHGNFGDSYVSWFAYWGQGT~~LVTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEP~~SLTVSP
GGTVTLT~~CGSSTGAVTTSNYANWVQKPKGKSPRGLIGGTNKR~~APGVPARFSGSLIGGKAALTISGAQPEDEADYYCAL
WYSNHWVFGGGTKLTVL/GGGGSGGGGSKTHTCPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVVDVKHEDP
EVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYCKVSNKALPAPIEKTISKAKGQPREPQVY
TLPPSREQMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYK~~TTP~~PVLDSGGSFFLYSKLTVDKSRWQQGNVFSCSV
MHEALHNHYTQKSLSLSPGK

LC (SEQ ID NO:167)

DIVMTQSPSSLSASVGDRVTITCRASONVD~~TNVAWYQKPGQSPKALIYSASYRYS~~GVPDRFTGSGSGTDFTLTIS~~LQP~~
EDFATYFCQQYDSYPLTFGGGT/KLEIKRTVAAPSVFIFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSGNS
QESVTEQDSKSTYSLSSLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

Figura 42

XENP14422 Anti-CD38 (OKT10_H1L1) x Anti-CD3 (H1.30_L1.47) one-arm central-scFv

HC 1 (SEQ ID NO:168)

EPKSSDKTHTCPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWYVDGVEVHNAKTKPREEE
YNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVSGFYPS
DIAVEWESDGGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRWEEQGDVFSCSVMHEALHNHYTQKSLSLSPGK

HC 2 (SEQ ID NO:169)

EVQLVESGGGLVQPGGSLRLSCAASGFDFSRSWMINWVRQAPGKGLEWVSEINPDSSTINYATSVKGRFTISRDNSKNT
LYLQMNSLRAEDTAVYYCARYGNWFPYWGQGTLVTVSS/ASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVS
WNSGALTSGVHTFPAVLQSSGLYSLSSVTPSSSLGTQTYICNVNHKPSNTKVDKKVEPKSCGGGGSGGGGS/EVQLV
ESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKNTLYL
QMNSLRAEDTAVYYCVRHGNFGDSYVSWFAYWGQGTLVTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTVSP
GGTVTLTCSSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCA
WYSNHWVFGGGTKLTVL/GGGGSGGGGSKTHTCPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVDVKHEDP
EVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVY
TLPPSREQMTKNQVKLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSV
MHEALHNHYTQKSLSLSPGK

LC (SEQ ID NO:170)

DIVMTQSPSSLSASVGDRTITCRASQNVDTNVAWYQQKPGQSPKALISASYRYSGVPDRFTGSGSGTDFTLTISSLQP
EDFATYFCQQYDSYPLTFGGGT/KLEIKRTVAAPSVFIFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSGNS
QESVTEQDSKDSSTYLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

Figura 43

XENP14423 Anti-CD38 (OKT10_H1L1) x Anti-CD3 (H1.30_L1.47) central-Fv

HC 1 (SEQ ID NO:171)

EVQLVESGGGLVQPGGSLRLSCAASGFDFSRSWMNWVRQAPGKGLEWVSEINPDSSTINYATSVKGRFTISRDN SKNT
LYLQMNSLRAEDTAVYYCARYGNWFPYWGQGTIVTVSS/ASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPTVS
WNSGALTSGVHTFPAVLQSSGLYSLSSVTVPSSSLGTQTYICNVNHKPSDTKVDKKVEPKSCGGGGSGGGGS/ EVQLV
ESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKNTLYL
QMNSLRAEDTAVYYCVRHGNFGDSVSWFAYWGQGTIVTVSS/ GGGGSGGGGSKTHTCPPCPAPPVAGPSVFLFPP
KPKDTLMISRTPEVTCVVDVKHEDPEVKFNWYVDGVEVHNAKTKPREEYNSTYRVVSVLTVLHQDWLNGKEYKCK
VSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVSGFYPSDIAVEWESDGPENNYKTTTPVLDSD
GSFFLYSKLTVDKSRWEEQGDVFSCSV MHEALHNHYTQKSLSLSPGK

HC 2 (SEQ ID NO:172)

EVQLVESGGGLVQPGGSLRLSCAASGFDFSRSWMNWVRQAPGKGLEWVSEINPDSSTINYATSVKGRFTISRDN SKNT
LYLQMNSLRAEDTAVYYCARYGNWFPYWGQGTIVTVSS/ASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPTVS
WNSGALTSGVHTFPAVLQSSGLYSLSSVTVPSSSLGTQTYICNVNHKPSNTKVDKKVEPKSCGGGGSGGGGS/ QAVV
TQEPSLTVSPGGTVTLTCSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPE
DEADYYCALWYSNHWFVGGGTKLTVL/ GGGGSGGGGSKTHTCPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCV
VDVKHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKG
QPREPQVYTLPPSREQMTKNQVKLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRWQQ
GNVFSCSV MHEALHNHYTQKSLSLSPGK

LC (SEQ ID NO:173)

DIVMTQSPSSLSASVGDRVTITCRASQNVDTNVAWYQQKPGQSPKALIYSASRYSGVPDRFTGSGSGTDFTLTISLQ
EDFATYFCQQYDSYPLTFGGGT/KLEIKRTVAAPSVFIFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSGNS
QESVTEQDSKDSSTYLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

Figura 44

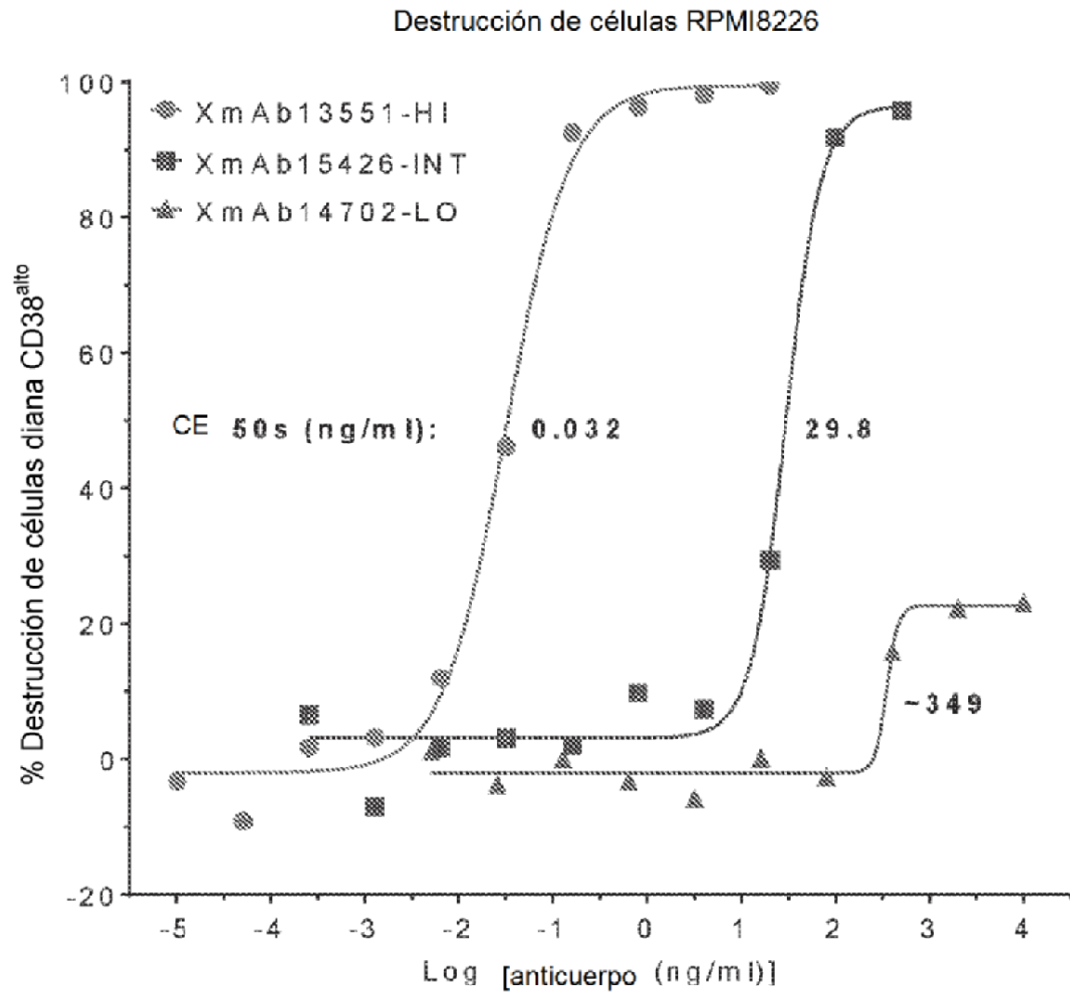


Figura 45

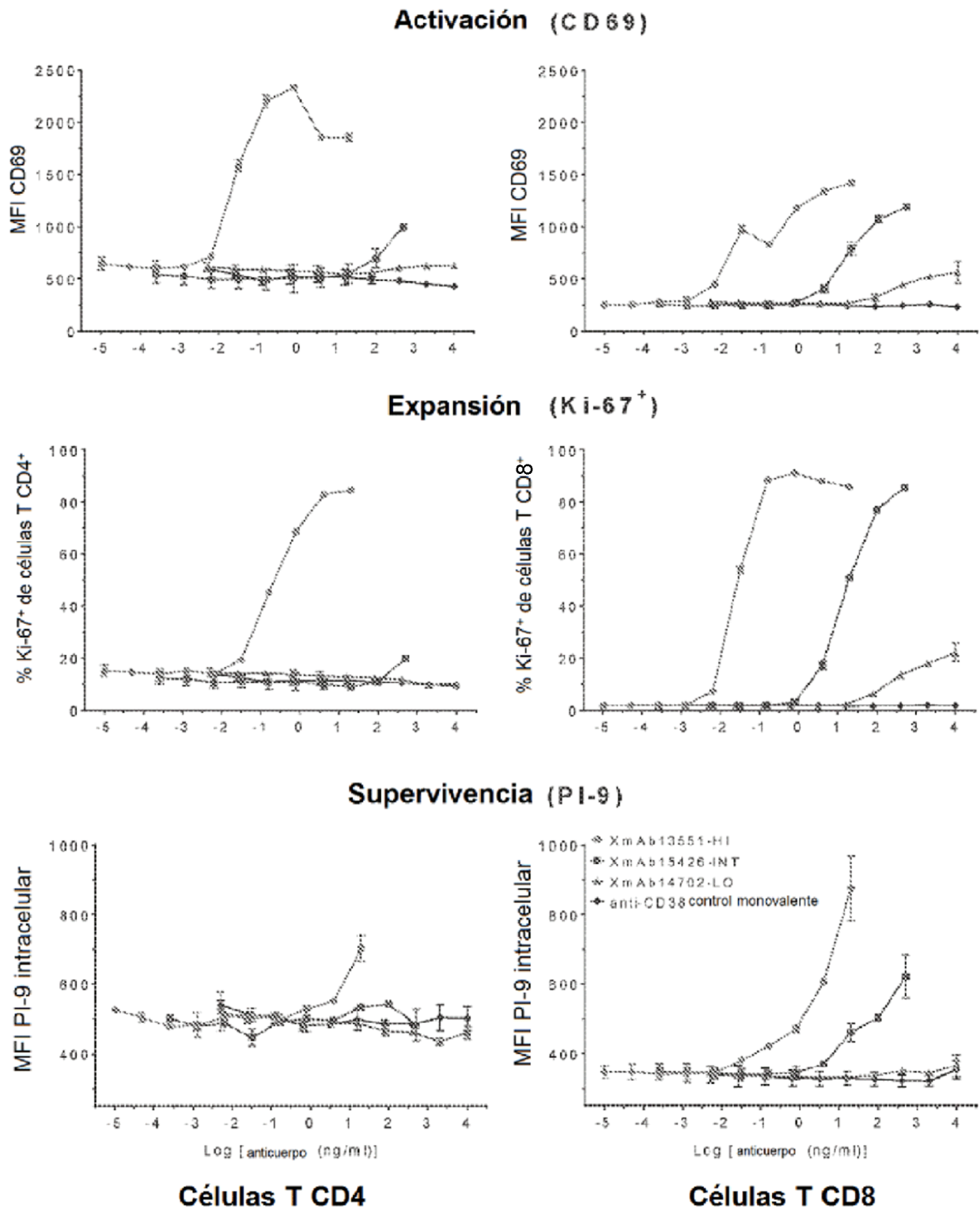


Figura 46

Diseño del estudio

- Ratones NSG injertados con 5×10^5 células RPMI8226TrS (mieloma múltiple, que expresa luciferasa)
- Ratones injertados IP con 10×10^6 PBMC humanas el Día 0
- Ratones tratados IP +/- anticuerpos biespecíficos los Días 0 y 7
- Carga tumoral evaluada por imágenes bioluminiscentes (IVIS Lumina III)

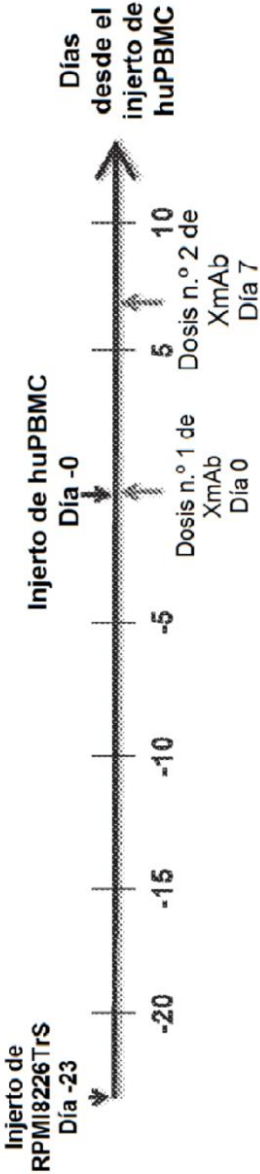


Figura 47

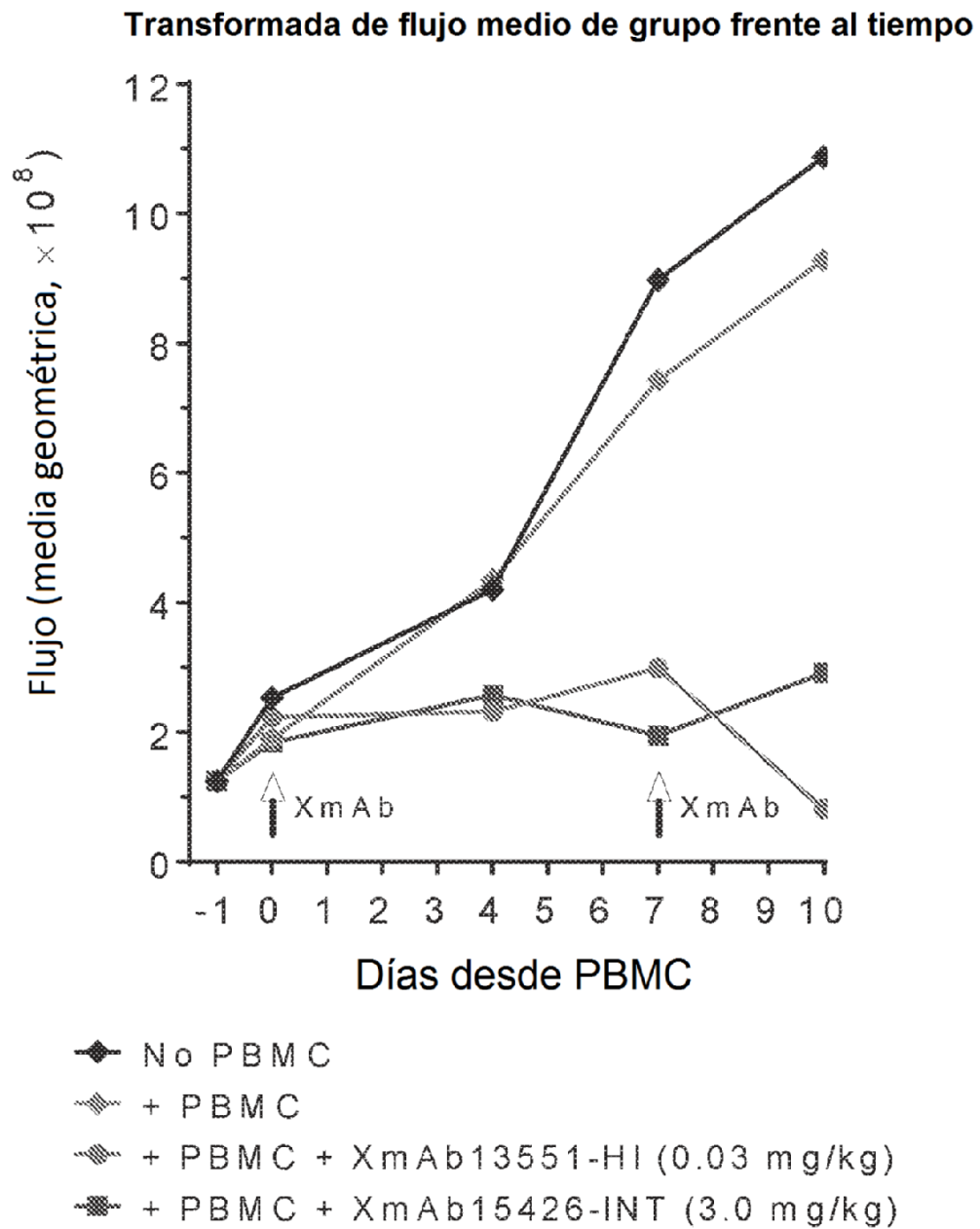


Figura 48

Imágenes bioluminiscentes (Día 10)

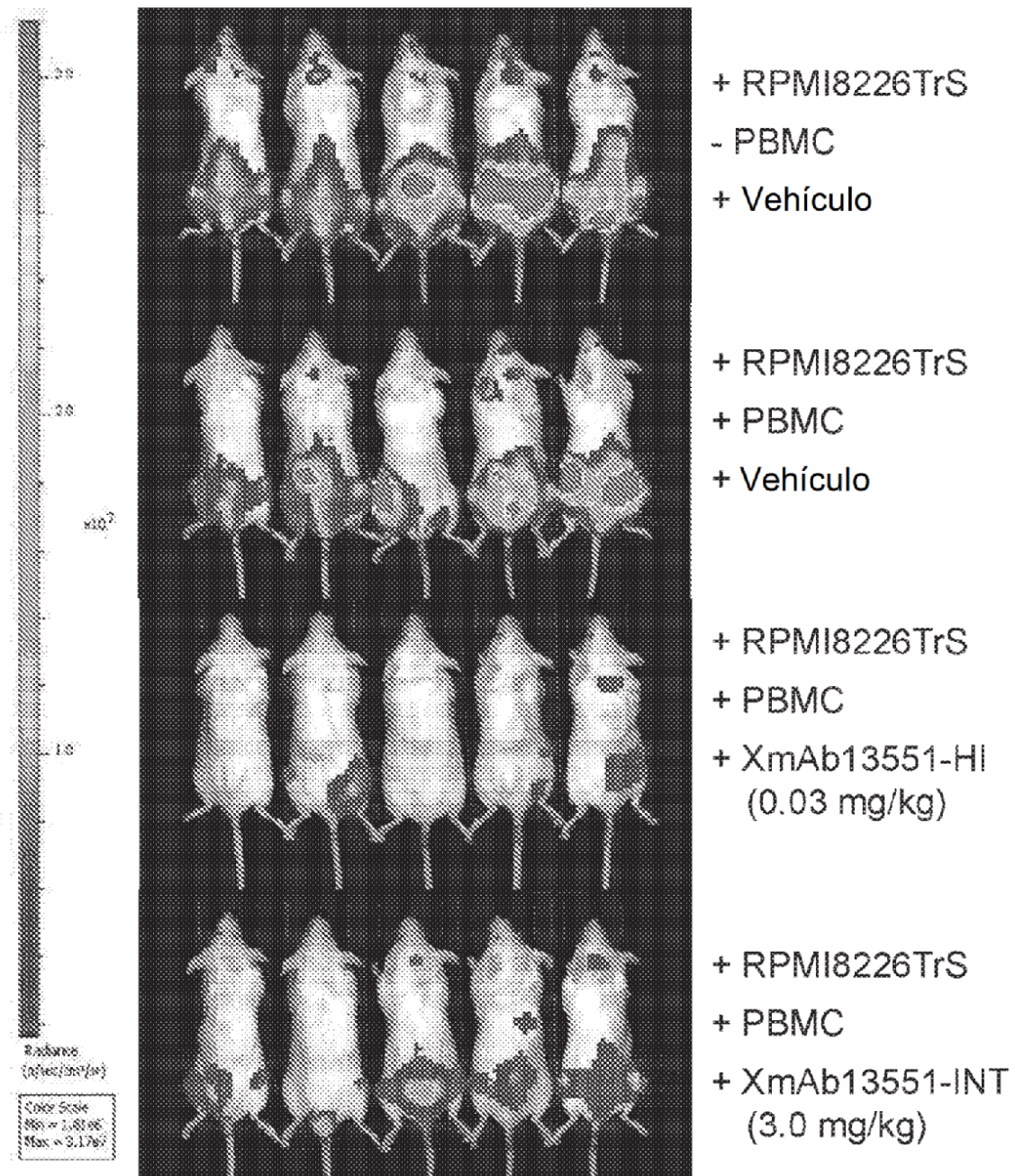
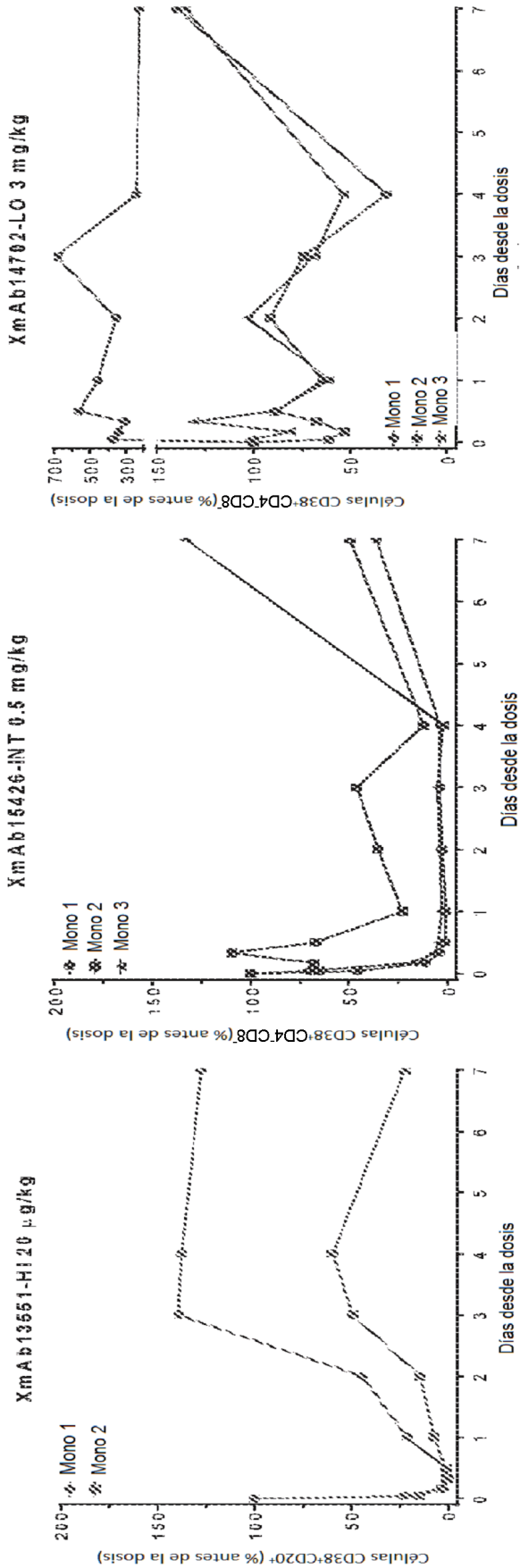


Figura 49



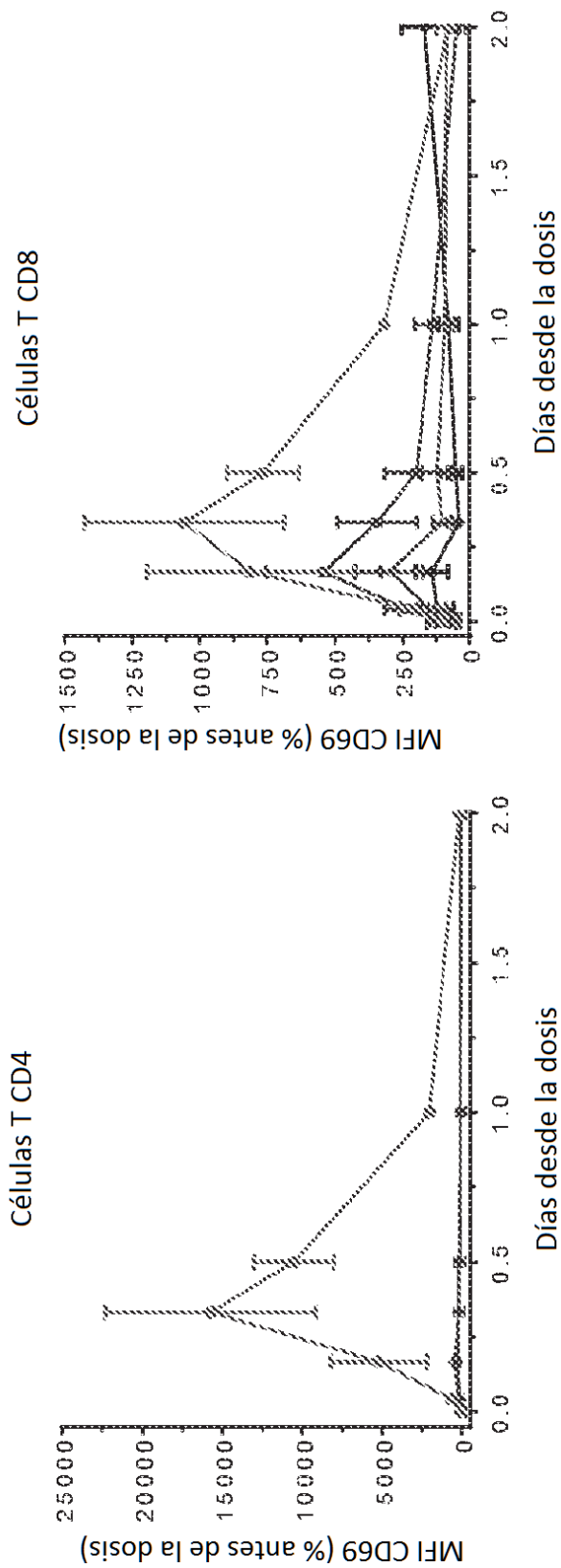


Figura 50

Figura 51

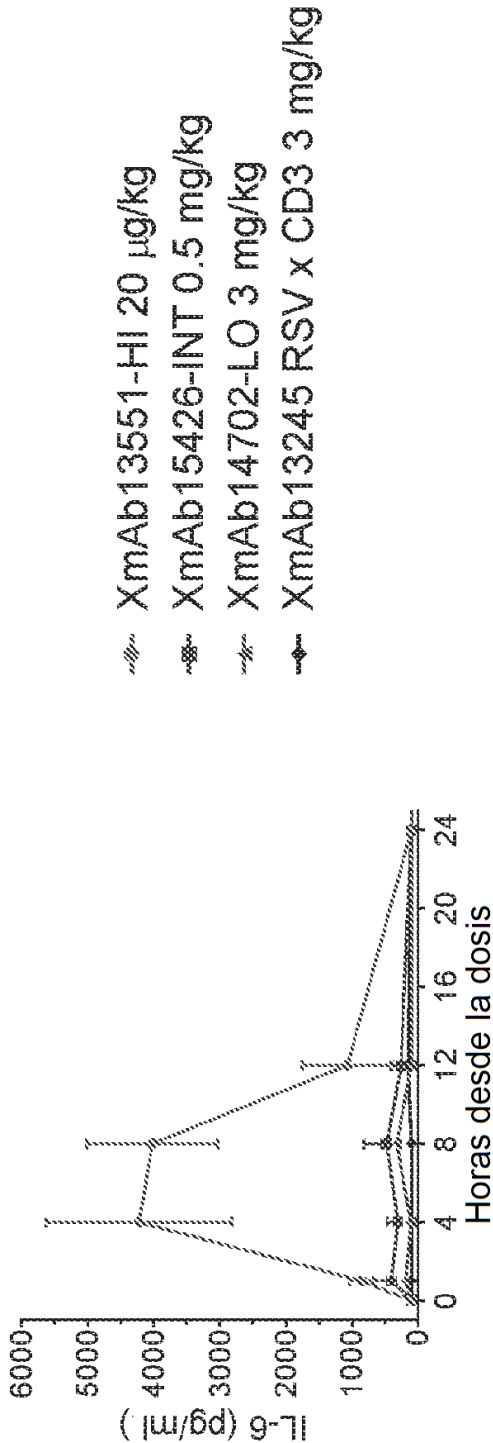


Figura 52

XENP15427 Anti-CD38 (OKT10_H1L1) x Anti-CD3 (H1.31_L1.47) mAb-scFv de un brazo

HC 1 (SEQ ID NO:174)

EPKSSDKTHTCPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVVDVKHEDPEVKFNWYVDGVEVHNAKTKPREEE
YNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVSGFYPS
DIAVEWESDGGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRWEEGQDVFSCSVMEALHNHYTQKSLSLSPGK

HC 2 (SEQ ID NO:175)

EVQLVESGGGLVQPGGSLRLSCAASGFDFSRSWMNWVRQAPGKGLEWVSEINPDSSTINYATSVKGRFTISRDN
SKNTLYLQMNSLRAEDTAVYYCARYGNWFPYWGQGTLVTVSS/ASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVS
WNSGALTSGVHTFPAVLQSSGLYSLSSVTVPSSSLGTQTYICNVNHKPSNTKVDKKVEPKSCDKTHTCPPCPAPPVAG
PSVFLFPPKPKDTLMISRTPEVTCVVVDVKHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLN
GKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREQMTKNQVKLTCLVKGFYPSDIAVEWESNGQPENNYKTT
PPVLDSDGSFFLYSKLTVDKSRWQQGNVFCFSVMHEALHNHYTQKSLSLSPGKGGGGSGGGGGSGGGGGSEVQLVESG
GGLVQPGGSLRLSCAASGFTFSTYAMSWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKNTLYLQM
NSLRAEDTAVYYCVRHGNFGDSYVSWFAYWGQGTLVTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSTVSPGGT
VTLCGSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGKAALTISGAQPEDEADYYCALWYS
NHWVFGGGTKLTVL

LC (SEQ ID NO:176)

DIVMTQSPSSLSASVGDRVTITCRASQNVDTNVAWYQQKPGQSPKALIYSASRYSGVPDRFTGSGSGTDFTLTSSLPQ
EDFATYFCQQYDSYPLTFGGGTGLEIK/RTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPREAKVQWKVDNALQSGNS
QESVTEQDSKDSSTLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

Figura 53

XENP15428 Anti-CD38 (OKT10_H1L1) x Anti-CD3 (H1.33_L1.47) mAb-scFv de un brazo

HC 1 (SEQ ID NO:177)

EPKSSDKTHTCPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWYVDGVEVHNAKTKPREEE
YNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVSGFYPS
DIAVEWESDQGQENNYKTTTPVLDSDGSFFLYSKLTVDKSRWEQGDVFSCSVMHEALHNHYTQKSLSLSPGK

HC 2 (SEQ ID NO:178)

EVQLVESGGGLVQPGGSLRLSCAASGFD~~FS~~SRSWMNWVRQAPGKGLEWVSEINPDSSTINYATSVKGRFTISRDN SKNT
LYLQMNSLRAEDTAVYYCARYGNWFPYWGQGT~~LV~~TSS/ASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVS
WNSGALTSGVHTFPAVLQSSGLYSLSSVTPSSSLGTQTYICNVNHKPSNTKVDKKVEPKSCDKTHTCPPCPAPPVAG
PSVFLFPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLN
GKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREQMTKNQV~~KL~~CLVKGFYPSDIAVEWESNGQENNYKTT
PPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGKGGGGSGGGGGSGGGGSEVQLVESG
GGLVQPGGSLRLSCAASGFTFSTYAMN~~WVR~~QAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKNTLYLQM
NSLRAEDTAVYYCVRHGNF~~GD~~SYVSWFDYWGQGT~~LV~~TSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTVSPGGT
VTLT~~CG~~SSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCALWYS
NHWVFGGGT~~KL~~TVL

LC (SEQ ID NO:179)

DIVMTQSPSSLSASVGRVTITCRASQNVDTNVAWYQQKPGQSPKALIYSASYRYS~~GVP~~DRFTGSGSGTDFTLTISLQP
EDFATYFCQQYDSYPLTFGGGT~~KL~~EIK/RTVAAPSVFIFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSGNS
QESVTEQDSKDSYSLSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

Figura 54

XENP15429 Anti-CD38 (OKT10_H1L1) x Anti-CD3 (H1.30_L1.47) mAb-scFv de un brazo

HC 1 (SEQ ID NO:180)

EPKSSDKTHTCPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWYVDGVEVHNAKTKPREEE
YNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVSGFYPS
DIAVEWESDGGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRWEQGDVFSCSVMHEALHNHYTQKSLSLSPGK

HC 2 (SEQ ID NO:181)

EVQLVESGGGLVQPGGSLRLSCAASGFDFSRSWMNWVRQAPGKGLEWVSEINPDSTINYATSVKGRFTISRDN SKNT
LYLQMNSLRAEDTAVYYCARYGNWFPYWGQGLTVTVSS/ASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVS
WNSGALTSGVHTFPAVLQSSGLYSLSSVVPSSSLGTQTYICNVNHKPSNTKVDKKVEPKSCDKTHTCPPCPAPPVAG
PSVFLFPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLN
GKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREQMTKNQVKLTCLVKGFYPSDIAVEWESNGQPENNYKTT
PPVLDSDGSFFLYSKLTVDKSRWQQGNVFCFSVMHEALHNHYTQKSLSLSPGKGGGGSGGGGGSGGGGSEVQLVESG
GGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRISKYNNYATYYADSVKGRFTISRDDSKNTLYLQM
NSLRAEDTAVYYCVRHGNFGDSYVSWFAYWGQGLTVTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTVSPGGT
VTLTCGSSTGAVTTSNYANWVQQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCALWYS
NHWVFGGGTKLTVL

LC (SEQ ID NO:182)

DIVMTQSPSSLSASVGDRTITCRASQNVDTNVAWYQQKPGQSPKALIYSASYRYSGVPDRFTGSGSGTDFTLTISSLQP
EDFATYFCQYDSYPLTFGGGTGLEIK/RTVAAPSVFIFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSGNS
QESVTEQDSKDSSTYLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

Figura 55

XENP15430 Anti-CD38 (OKT10_H1L1) x Anti-CD3 (H1.31_L1.47) central-scFv de un brazo

HC 1 (SEQ ID NO:183)

EPKSSDKTHTCPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVVDVKHEDPEVKFNWYVDGVEVHNAKTKPREEE
YNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVSGFYPS
DIAVEWESDGGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRWEQGDVFSCVMHEALHNHYTQKSLSLSPGK

HC 2 (SEQ ID NO:184)

EVQLVESGGGLVQPGGSLRLSCAASGFDFSRWMNWVRQAPGKGLEWVSEINPDSSTINYATSVKGRFTISRDNSKNT
LYLQMNSLRAEDTAVYYCARYGNWFPYWGQGLTVTVSS/ASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVS
WNSGALTSGVHTFPAVLQSSGLYSLSSVTVPSSSLGTQTYICNVNHKPSNTKVDKKVEPKSCGGGGSGGGGSEVQLVE
SGGGLVQPGGSLRLSCAASGFTFSTYAMSWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKNTLYLQ
MNSLRAEDTAVYYCVRHGNFGDSYVSWFAYWGQGLTVTVSSGKPGSGKPGSGKPGSQAVVTQEPSLTVSPG
GTVTLTCGSSTGAVTTSNYANWVQQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCALW
YSNHWWVFGGTKLTVLGGGGSGGGGSKTHTCPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVVDVKHEDPEVK
FNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTL
PSREQMTKNQVKLTCLVKGFPYSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCVMH
EALHNHYTQKSLSLSPGK

LC (SEQ ID NO:185)

DIVMTQSPSSLSASVGRVTITCRASQNVDTNWAWYQQKPGQSPKALIYSASRYSGVPDRFTGSGSGTDFTLTISLQ
EDFATYFCQQYDSYPLTFGGGTKLEIK/RTVAAPSVFIFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSGNS
QESVTEQDSKDSYLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

Figura 56

XENP15431 Anti-CD38 (OKT10_H1L1) x Anti-CD3 (H1.33_L1.47) central-scFv de un brazo

HC 1 (SEQ ID NO:186)

EPKSSDKTHTCPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVVDVKHEDPEVKFNWYVDGVEVHNAKTKPREEE
YNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVSGFYPS
DIAVEWESDGGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRWEQGDVFSCVMHEALHNHYTQKSLSLSPGK

HC 2 (SEQ ID NO:187)

EVQLVESGGGLVQPGGSLRLSCAASGFDFSRSWMNWVRQAPGKGLEWVSEINPDSSSTINYATSVKGRFTISRDN SKNT
LYLQMNSLRAEDTAVYYCARYGNWFPYWGQGTLLTVSS/ASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVS
WNSGALTSGVHTFPAVLQSSGLYSLSSVTPSSSLGTQTYICNVNHKPSNTKVDKKVEPKSCGGGGSGGGGSEVQLVE
SGGGLVQPGGSLRLSCAASGFTFSTYAMSWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKNTLYLQ
MNSLRAEDTAVYYCVRHGNFGDSYVSWFAYWGQGTLLTVSSGKPGSGKPGSGKPGSQAVVTQEPSTLVSPG
GTVTLTCGSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLGGKAALTISGAQPEDEADYYCALW
YSNHWFVGGGKLTVLGGGGSGGGGSKTHTCPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVVDVKHEDPEVK
FNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTL
PSREQMTKNQVKLTCLVKGFPYSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCVMH
EALHNHYTQKSLSLSPGK

LC (SEQ ID NO:188)

DIVMTQSPSSLSASVGRVTITCRASQNVDTNVAWYQQKPGQSPKALIYSASRYSGVPDRFTGSGSGTDFTLTISLQ
EDFATYFCQQYDSYPLTFGGGTGLEIK/RTVAAPSVFIFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSGNS
QESVTEQDSKDSSTLSLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

Figura 57

XENP15432 Anti-CD38 (OKT10_H1L1) x Anti-CD3 (H1.30_L1.47) central-scFv de un brazo

HC 1 (SEQ ID NO:189)

EPKSSDKTHTCPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVVDVKHEDPEVKFNWYVDGVEVHNAKTKPREEE
YNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVSGFYPS
DIAVEWESDQGPENNYKTTTPVLDSDGSFFLYSKLTVDKSRWEQGDVFSCSVMHEALHNHYTQKSLSLSPGK

HC 2 (SEQ ID NO:190)

EVQLVESGGGLVQPGGSLRLSCAASGFDTSRSMNWVRQAPGKGLEWVSEINPDSSTINYATSVKGRFTISRDNKNT
LYLQMNSLRAEDTAVYYCARYGNWFPYWGQGLTVTVSS/ASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVS
WNSGALTSGVHTFPAVLQSSGLYSLSSVTPSSSLGTQTYICNVNHKPSNTKVDKKVEPKSCGGGGSGGGGSEVQLVE
SGGGLVQPGGSLRLSCAASGFTFSTYAMNWWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKNTLYLQ
MNSLRAEDTAVYYCVRHGNFGDSYVSWFAYWGQGLTVTVSSGKPGSGKPGSGKPGSQAVVTQEPSLTVSPG
GTVTLTCSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCALW
YSNHVVFGGGTKLTVLGGGGSGGGGSKTHTCPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVVDVKHEDPEVK
FNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTL
PSREQMTKNQVKLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRWQQGNVFCSSVMH
EALHNHYTQKSLSLSPGK

LC (SEQ ID NO:191)

DIVMTQSPSSLSASVGRVTITCRASQNVDTNVAWYQQKPGQSPKALIYSASYRSGVPDRFTGSGSGTDFLTITSLQP
EDFATYFCQQYDSYPLTFGGGTKEIK/RTVAAPSVFIFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSGNS
QESVTEQDSKDSSTYLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

Figura 58

XENP15433 Anti-CD38 (OKT10_H1L1) x Anti-CD3 (H1.31_L1.47) mAb-scFv

HC 1 (SEQ ID NO:192)

EVQLVESGGGLVQPGGSLRLSCAASGFDFSRSWMNWVRQAPGKGLEWVSEINPDSSSTINYATSVKGRFTISRDN SKNT
LYLQMNSLRAEDTAVYYCARYGNWFPYWGQGLTVTVSS/ASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVS
WNSGALTSGVHTFPAVLQSSGLYSLSSVTPSSSLGTQTYICNVNHKPSDTKVDKKVEPKSCDKHTCTPPCPAPPVAG
PSVFLFPPKPKDTLMISRTPEVTCVVVDVKHEDPEVKFNWYVDGVEVHNAKTKPREEEYNSTYRVVSVLTVLHQDWLN
GKEYCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVSGFYPSDIAVEWESDGPENNYKTP
PVLDSGDSFFLYSKLTVDKSRWEQGDVFSCVMHEALHNHYTQKSLSLSPGK

HC 2 (SEQ ID NO:193)

EVQLVESGGGLVQPGGSLRLSCAASGFDFSRSWMNWVRQAPGKGLEWVSEINPDSSSTINYATSVKGRFTISRDN SKNT
LYLQMNSLRAEDTAVYYCARYGNWFPYWGQGLTVTVSS/ASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVS
WNSGALTSGVHTFPAVLQSSGLYSLSSVTPSSSLGTQTYICNVNHKPSNTKVDKKVEPKSCDKHTCTPPCPAPPVAG
PSVFLFPPKPKDTLMISRTPEVTCVVVDVKHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLN
GKEYCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREQMTKNQVKLTCLVKGFYPSDIAVEWESNGQPENNYKTT
PPVLDSDGDSFFLYSKLTVDKSRWQQGNVFSCVMHEALHNHYTQKSLSLSPGKGGGGSGGGGGSGGGGSEVQLVESG
GGGLVQPGGSLRLSCAASGFTFSTYAMSWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKNTLYLQM
NSLRAEDTAVYYCVRHGNFGDSYVSWFAYWGQGLTVTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTVSPGGT
VTLTCSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCALWYS
NHWVFGGGTKLTVL

LC (SEQ ID NO:194)

DIVMTQSPSSLSASVGDRVTITCRASQNVDTNVAWYQQKPGQSPKALIYSASYRYSVGPDRFTGSGSGTDFTLTISLQP
EDFATYFCQQYDSYPLTFGGGTGLEIK/RTVAAPSVFIFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSGNS
QESVTEQDSKDSSTYLSSTLTLSKADYEEKHKVYACEVTHQGLSPVTKSFNRGEC

Figura 59

XENP15434 Anti-CD38 (OKT10_H1L1) x Anti-CD3 (H1.33_L1.47) mAb-scFv

HC 1 (SEQ ID NO:195)

EVQLVESGGGLVQPGGSLRLSCAASGFDFSRSWMNWVRQAPGKGLEWVSEINPDSSSTINYATSVKGRFTISRDN SKNT
LYLQMNSLRAEDTAVYYCARYGNWFPYWGQGLTVTVSS/ASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVS
WNSGALTSGVHTFPAVLQSSGLYSLSSVTVPSSSLGTQTYICNVNHKPSDTKVDKKVEPKSCDKTHTCPPCPAPPVAG
PSVFLFPPKPKDTLMISRTPEVTCVVVDVKHEDPEVKFNWYVDGVEVHNAKTKPREEEYNSTYRVVSVLTVLHQDWLN
GKEYCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVSGFYPSDIAVEWESDGPENNYKTHP
PVLDSGDSFFLYSKLTVDKSRWEQGDVFSCSVMEALHNHYTQKSLSLSPGK

HC 2 (SEQ ID NO:196)

EVQLVESGGGLVQPGGSLRLSCAASGFDFSRSWMNWVRQAPGKGLEWVSEINPDSSSTINYATSVKGRFTISRDN SKNT
LYLQMNSLRAEDTAVYYCARYGNWFPYWGQGLTVTVSS/ASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVS
WNSGALTSGVHTFPAVLQSSGLYSLSSVTVPSSSLGTQTYICNVNHKPSNTKVDKKVEPKSCDKTHTCPPCPAPPVAG
PSVFLFPPKPKDTLMISRTPEVTCVVVDVKHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLN
GKEYCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREQMTKNQVCLTVKGFYPSDIAVEWESNGQPENNYKTT
PPVLDSDGSFFLYSKLTVDKSRWQQGNVFCFSVMHEALHNHYTQKSLSLSPGKGGGGSGGGGGSGGGGSEVQLVESG
GGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGIRSKYNNYATYYADSVKGRFTISRDDSKNTLYLQM
NSLRAEDTAVYYCVRHGNFGDSYVSWFDYWGQGLTVTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTVSPGGT
VTLTCSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCALWYS
NHWVFGGGTKLTVL

LC (SEQ ID NO:197)

DIVMTQSPSSLSASVGRVTITCRASQNVDTNVAWYQQKPGQSPKALIYSAFYRYSGVPDRFTGSGSGTDFTLTISLQP
EDFATYFCQQYDSYPLTFGGGTKLEIK/RTVAAPSVFIFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSGNS
QESVTEQDSKDSSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

Figura 60

XENP15435 Anti-CD38 (OKT10_H1L1) x Anti-CD3 (H1.30_L1.47) mAb-scFv

HC 1 (SEQ ID NO:198)

EVQLVESGGGLVQPGGSLRLSCAASGFDFSRSWMNWVRQAPGKGLEWVSEINPDSSTINYATSVKGRFTISRDN SKNT
LYLQMNSLRAEDTAVYYCARYGNWFPYWGQGTLLTVSS/ASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVS
WNSGALTSGVHTFPAVLQSSGLYSLSSVTPSSSLGTQTYICNVNHKPSDTKVDKKVEPKSCDKTHTCPPCPAPPVAG
PSVFLFPPKPKDTLMISRTPEVTCVVVDVKHEDPEVKFNWYVDGVEVHNAKTKPREEEYNSTYRVVSVLTVLHQDWLN
GKEYCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVSGFYPSDIAVEWESDGGQPENNYKTP
PVLDSGDSFFLYSKLTVDKSRWEQGDVFSCSVMEALHNHYTQKSLSLSPGK

HC 2 (SEQ ID NO:199)

EVQLVESGGGLVQPGGSLRLSCAASGFDFSRSWMNWVRQAPGKGLEWVSEINPDSSTINYATSVKGRFTISRDN SKNT
LYLQMNSLRAEDTAVYYCARYGNWFPYWGQGTLLTVSS/ASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVS
WNSGALTSGVHTFPAVLQSSGLYSLSSVTPSSSLGTQTYICNVNHKPSNTKVDKKVEPKSCDKTHTCPPCPAPPVAG
PSVFLFPPKPKDTLMISRTPEVTCVVVDVKHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLN
GKEYCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREQMTKNQVKLTCLVKGFYPSDIAVEWESNGQPENNYKTT
PPVLDSGDSFFLYSKLTVDKSRWQQGNVFSCSVMEALHNHYTQKSLSLSPGKGGGGSGGGGGSGGGGSEVQLVESG
GGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKYNNYATYADSVKGRFTISRDDSKNTLYLQM
NSLRAEDTAVYYCVRHGNFGDSYVSWFAYWGQGTLLTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTVSPGGT
VTLTCGSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCALWYS
NHWVFGGGTKLTVL

LC (SEQ ID NO:200)

DIVMTQSPSSLSASVGRVTITCRASQNVDTNVAWYQQKPGQSPKALIYSASYRYSVGPDRFTGSGSGTDFTLTISSLQP
EDFATYFCQQYDSYPLTFGGGKLEIK/RTVAAPSVFIFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSGNS
QESVTEQDSKDSYSLSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

Figura 61

XENP15436 Anti-CD38 (OKT10_H1L1) x Anti-CD3 (H1.31_L1.47) central-scFv

HC 1 (SEQ ID NO:201)

EVQLVESGGGLVQPGGSLRLSCAASGFDFSRSWMNWVRQAPGKGLEWVSEINPDSSTINYATSVKGRFTISRDN SKNT
LYLQMNSLRAEDTAVYYCARYGNWFPYWGQGTLLTVSS/ASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVS
WNSGALTSGVHTFPAVLQSSGLYSLSSVVPSSSLGTQTYICNVNHKPSDTKVDKKVEPKSCDKTHTCPPCPAPPVAG
PSVFLFPPKPKDTLMISRTPEVTCVVVDVKHEDPEVKFNWYVDGVEVHNAKTKPREEYNSTYRVVSVLTVLHQDWLN
GKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVSGFYPSDIAVEWESDGPENNYKTTTP
PVLDSGGSFFLYSKLTVDKSRWEQGDVFSCVMHEALHNHYTQKSLSLSPGK

HC 2 (SEQ ID NO:202)

EVQLVESGGGLVQPGGSLRLSCAASGFDFSRSWMNWVRQAPGKGLEWVSEINPDSSTINYATSVKGRFTISRDN SKNT
LYLQMNSLRAEDTAVYYCARYGNWFPYWGQGTLLTVSS/ASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVS
WNSGALTSGVHTFPAVLQSSGLYSLSSVVPSSSLGTQTYICNVNHKPSNTKVDKKVEPKSCGGGGSGGGGSEVQLVE
SGGGLVQPGGSLRLSCAASGFTFSTYAMSWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDS KNTLYLQ
MNSLRAEDTAVYYCVRHGNFGDSYVSWFAYWGQGTLLTVSSGKPGSGKPGSGKPGSQAVVTQEPSLTVSPG
GTVTLTCGSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCALW
YSNHWVFGGGTKLTVLGGGGSGGGGSKTHTCPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVVDVKHEDPEVK
FNWYVDGVEVHNAKTKPREEYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTL
PSREQMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRWQQGNVFCVMH
EALHNHYTQKSLSLSPGK

LC (SEQ ID NO:203)

DIVMTQSPSSLSASVGDRVTITCRASQNVDTNVAWYQQKPGQSPKALIYSASRYSGVPDRFTGSGSGTDFTLTISLQ
EDFATYFCQQYDSYPLTFGGGTKEIK/RTVAAPSVFIFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSGNS
QESVTEQDSKDSYSLSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

Figura 62

XENP15437 Anti-CD38 (OKT10_H1L1) x Anti-CD3 (H1.33_L1.47) central-scFv

HC 1 (SEQ ID NO:204)

EVQLVESGGGLVQPGGSLRLSCAASGFDFSRSWMNWVRQAPGKGLEWVSEINPDSSSTINYATSVKGRFTISRDN SKNT
LYLQMNSLRAEDTAVYYCARYGNWFPYWGQGLTVTVSS/ASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVS
WNSGALTSGVHTFPAVLQSSGLYSLSSVVPSSSLGTQTYICNVNHKPSDTKVDKKVEPKSCDKTHTCPPCPAPPVAG
PSVFLFPPKPKDTLMISRTPEVTCVVVDVKHEDPEVKFNWYVDGVEVHNAKTKPREEYNSTYRVVSVLTVLHQDWLN
GKEYCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVSGFYPSDIAVEWESDGGQPENNYKTP
PVLDSDGSFFLYSKLTVDKSRWEQGDVFCFSVMHEALHNHYTQKSLSLSPGK

HC 2 (SEQ ID NO:205)

EVQLVESGGGLVQPGGSLRLSCAASGFDFSRSWMNWVRQAPGKGLEWVSEINPDSSSTINYATSVKGRFTISRDN SKNT
LYLQMNSLRAEDTAVYYCARYGNWFPYWGQGLTVTVSS/ASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVS
WNSGALTSGVHTFPAVLQSSGLYSLSSVVPSSSLGTQTYICNVNHKPSNTKVDKKVEPKSCGGGGSGGGGSEVQLVE
SGGGLVQPGGSLRLSCAASGFTFSTYAMSWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKNTLYLQ
MNSLRAEDTAVYYCVRHGNFGDSYVSWFAYWGQGLTVTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPLTVSPG
GTVTLTCSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCALW
YSNHWFVGGGKTLTVLGGGGSGGGGSKTHTCPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVVDVKHEDPEVK
FNWYVDGVEVHNAKTKPREEYNSTYRVVSVLTVLHQDWLNGKEYCKVSNKALPAPIEKTISKAKGQPREPQVYTL
PSREQMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFCFSVMH
EALHNHYTQKSLSLSPGK

LC (SEQ ID NO:206)

DIVMTQSPSSLSASVGDRVTITCRASQNVDTNVAWYQQKPGQSPKALIYSASYRYSVGPDRFTGSGSGTDFTLTISLQ
EDFATYFCQQYDSYPLTFGGGTGLEIK/RTVAAPSVFIFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSGNS
QESVTEQDSKDSYSTLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

Figura 63

XENP15438 Anti-CD38 (OKT10_H1L1) x Anti-CD3 (H1.30_L1.47) central-scFv

HC 1 (SEQ ID NO:207)

EVQLVESGGGLVQPGGSLRLSCAASGFDFSRSWMNWVRQAPGKGLEWVSEINPDSSTINYATSVKGRFTISRDN SKNT
LYLQMNSLRAEDTAVYYCARYGNWFPYWGQGLTVTVSS/ASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPTVS
WNSGALTSGVHTFPAVLQSSGLYSLSSVTPSSSLGTQTYICNVNHKPSDTKVDKKVEPKSCDKTHTCPPCPAPPVAG
PSVFLFPPKPKDTLMISRTPEVTCVVVDVKHEDPEVKFNWYVDGVEVHNAKTKPREEYNSTYRVVSVLTVLHQDWLN
GKEYCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVSGFYPSDIAVEWESDGGQPENNYKTP
PVLDSGDSFFLYSKLTVDKSRWEQGDVFSCVMHEALHNHYTQKSLSLSPGK

HC 2 (SEQ ID NO:208)

EVQLVESGGGLVQPGGSLRLSCAASGFDFSRSWMNWVRQAPGKGLEWVSEINPDSSTINYATSVKGRFTISRDN SKNT
LYLQMNSLRAEDTAVYYCARYGNWFPYWGQGLTVTVSS/ASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPTVS
WNSGALTSGVHTFPAVLQSSGLYSLSSVTPSSSLGTQTYICNVNHKPSNTKVDKKVEPKSCGGGGSGGGGSEVQLVE
SGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKNTLYLQ
MNSLRAEDTAVYYCVRHGNFGDSYVSWFAYWGQGLTVTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSTVSPG
GTVTLTCGSSTGAVTTSNYANWVQKPKGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCALW
YSNHWVFGGGTKLTVLGGGGSGGGGSKTHTCPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVVDVKHEDPEVK
FNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYCKVSNKALPAPIEKTISKAKGQPREPQVYTL
PSREQMTKNQVKLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGDSFFLYSKLTVDKSRWQQGNVFSCVMH
EALHNHYTQKSLSLSPGK

LC (SEQ ID NO:209)

DIVMTQSPSSLSASVGRVTITCRASQNVDTNVAWYQQKPGQSPKALIYSASYRYSGVPDRFTGSGSGTDFTLTISLQP
EDFATYFCQOQDSYPLTFGGGKLEIK/RTVAAPSVFIFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSGNS
QESVTEQDSKDSYSLSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

Figura 64

XENP	Afinidad por CD38	α CD3 scFv-Fc	K _D (nM)*	Disminución en veces en la unión a CD3 por H1.30_L1.47
13243	baja	H1.30_L1.47	4.91	1
14701	baja	H1.31_L1.47	1640	330
14702	alta	H1.31_L1.47	1640	330
14703	muy baja	H1.31_L1.47	1640	330

Figura 65

	Cantidad de ADN (%)				
Con- jun- to	Cadena ligera	HC1 (Fab-Fc)	HC2 (scFv-Fc)	Heterodímero XENP13243 (%)	Heterodímero XENP13551 (%)
A	47.4	31.6	21.1	65.6	57.6
B	42.9	28.6	28.6	61.2	83.5
C	37.5	25.0	37.5	96.2	90.5
D	33.3	22.2	44.4	92.8	84.4
E	54.5	27.3	18.2	--	65.7
F	50.0	25.0	25.0	93.0	91.1
G	44.4	22.2	33.3	85.7	89.6
H	40.0	20.0	40.0	95.0	100.0

Figura 66

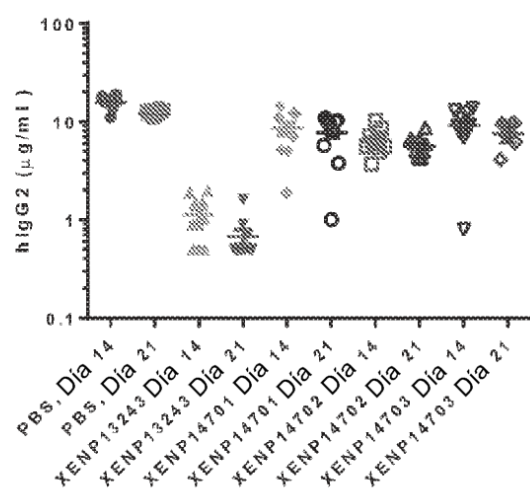
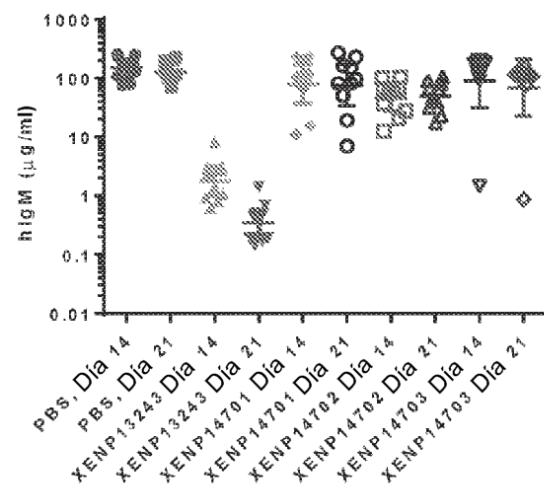
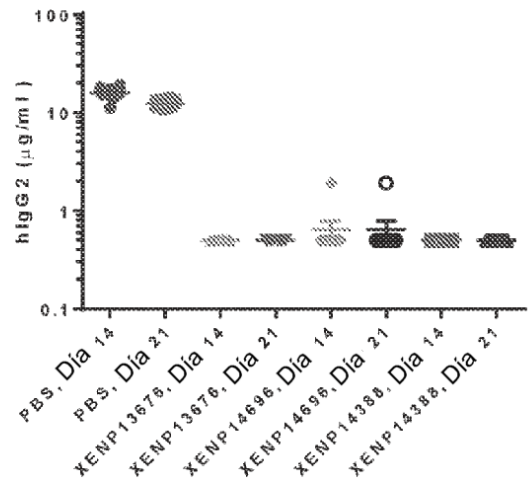
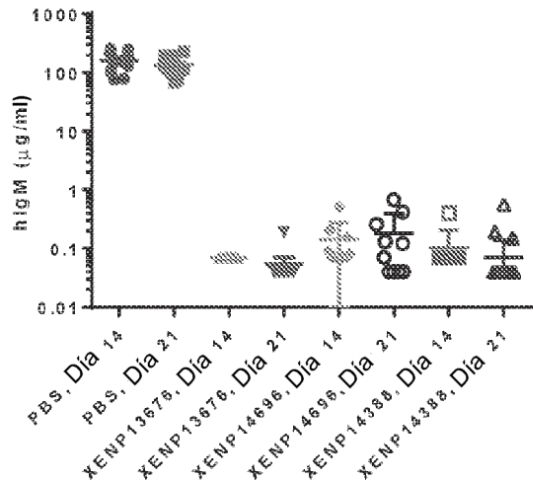


Figura 67A

ID VH	ID VL	Sustituciones en VH	Sustituciones en VL
H1	L1.4		
H1.30	L1.47	N30S/N100D	Q42K/A43S/L75I/E85D/L95H
H1.33	L1.47	N30S/N100D/A101D	Q42K/A43S/L75I/E85D/L95H
H1.31	L1.47	N30S/N35S/N100D	Q42K/A43S/L75I/E85D/L95H
H1.32	L1.47	N30S/Y52CA/N100D	Q42K/A43S/L75I/E85D/L95H
H1.88	L1.47	N30S/N100P	Q42K/A43S/L75I/E85D/L95H
H1.89	L1.47	N30S/N100D/S100AE	Q42K/A43S/L75I/E85D/L95H
H1.90	L1.47	N30S/N100D/S100AP	Q42K/A43S/L75I/E85D/L95H
H1.91	L1.47	N30S/Y52CA/N100D	Q42K/A43S/L75I/E85D/L95H
H1.92	L1.47	N30S/Y58A/N100D	Q42K/A43S/L75I/E85D/L95H
H1.93	L1.47	N30S/N100E	Q42K/A43S/L75I/E85D/L95H
H1.94	L1.47	N30S/N100Q	Q42K/A43S/L75I/E85D/L95H
H1.96	L1.47	N30S/N100D/S100AN	Q42K/A43S/L75I/E85D/L95H
H1.97	L1.47	N30S/N100D/S100AQ	Q42K/A43S/L75I/E85D/L95H
H1.98	L1.47	N30S/Y52CA/N100D/A101D	Q42K/A43S/L75I/E85D/L95H
H1.99	L1.47	N30S/Y58A/N100D/A101D	Q42K/A43S/L75I/E85D/L95H
H1.100	L1.47	N30S/N100A/A101D	Q42K/A43S/L75I/E85D/L95H
H1.101	L1.47	N30S/N100Q/A101D	Q42K/A43S/L75I/E85D/L95H
H1.102	L1.47	N30S/N100D/S100AE/A101D	Q42K/A43S/L75I/E85D/L95H
H1.103	L1.47	N30S/N100D/S100AN/A101D	Q42K/A43S/L75I/E85D/L95H
H1.104	L1.47	N30S/N100D/S100AP/A101D	Q42K/A43S/L75I/E85D/L95H
H1.105	L1.47	N30S/N100D/S100AQ/A101D	Q42K/A43S/L75I/E85D/L95H

Figura 67B

ID VH	ID VL	Sustituciones en VH	Sustituciones en VL
H1.106	L1.47	N30S/Y52CA/Y58A/N100D	Q42K/A43S/L75I/E85D/L95H
H1.107	L1.47	N30S/Y52CA/Y58A/N100A	Q42K/A43S/L75I/E85D/L95H
H1.108	L1.47	N30S/Y52CA/Y58A/N100Q	Q42K/A43S/L75I/E85D/L95H
H1.109	L1.47	N30S/Y52CA/Y58A/N100D/A101D	Q42K/A43S/L75I/E85D/L95H

Figura 68A: secuencias anti-CD3

H1_L1.4

SEQ ID NO:210

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMN~~WVRQAPGKGLEWVGRI~~RSKYNNYATYYADSVKGRFTISRDDS
KNTLYLQMNSLRAEDTAVYYCVRHGNFGDSYVSWFAYWGQGLTVTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQE
PSLTVSPGGTVTLT~~CGSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAP~~GVPARFSGSLLGGKAALTISGAQPEDE
ADYYCALWYSNH~~WVFGGGTKLTVLG~~SHHHHHH

SEQ ID NO:211

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMN~~WVRQAPGKGLEWVGRI~~RSKYNNYATYYADSVKGRFTISRDDS
KNTLYLQMNSLRAEDTAVYYCVRHGNFGDSYVSWFAYWGQGLTVTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQE
PSLTVSPGGTVTLT~~CGSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAP~~GVPARFSGSLLGGKAALTISGAQPEDE
ADYYCALWYSNH~~WVFGGGTKLTVL~~

SEQ ID NO:212

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMN~~WVRQAPGKGLEWVGRI~~RSKYNNYATYYADSVKGRFTISRDDS
KNTLYLQMNSLRAEDTAVYYCVRHGNFGDSYVSWFAYWGQGLTVTVSS

SEQ ID NO:213

QAVVTQE~~PSLTVSPGGTVTLT~~CGSSTGAVTTSNYAN~~WVQKPGKSPRGLIGGTNKRAP~~GVPARFSGSLLGGKAALTIS
GAQPEDEADYYCALWYSNH~~WVFGGGTKLTVL~~

Figura 68B

H1.30_L1.47

SEQ ID NO:214

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDS
KNTLYLQMNSLRAEDTAVYYCVRHGNFGDSYVSWFAYWGQGTTLTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQE
PSLTVSPGGTVTLTCGSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDE
ADYYCALWYSNHWWVFGGGTKLTVLGSHHHHHH

SEQ ID NO:215

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDS
KNTLYLQMNSLRAEDTAVYYCVRHGNFGDSYVSWFAYWGQGTTLTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQE
PSLTVSPGGTVTLTCGSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDE
ADYYCALWYSNHWWVFGGGTKLTVL

SEQ ID NO:216

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDS
KNTLYLQMNSLRAEDTAVYYCVRHGNFGDSYVSWFAYWGQGTTLTVSS

SEQ ID NO:217

QAVVTQEPSLTVSPGGTVTLTCGSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTIS
GAQPEDEADYYCALWYSNHWWVFGGGTKLTVL

Figura 68C

H1.33_L1.47

SEQ ID NO:218

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDS
KNTLYLQMNSLRAEDTAVYYCVRHGNFGDSYVSWFDYWGQGT¹LVTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQE
PSLTVSPGGTVTLT²CGSSTGAVTISNYANWVQKPGKSPRGLIGGT³NKRAPGVPARFSGSLLGGKAALTISGAQPEDE
ADYYCALWYSNHWVFGGGTKLTVLGSHHHHHH

SEQ ID NO:219

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDS
KNTLYLQMNSLRAEDTAVYYCVRHGNFGDSYVSWFDYWGQGT¹LVTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQE
PSLTVSPGGTVTLT²CGSSTGAVTISNYANWVQKPGKSPRGLIGGT³NKRAPGVPARFSGSLLGGKAALTISGAQPEDE
ADYYCALWYSNHWVFGGGTKLTVL

SEQ ID NO:220

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDS
KNTLYLQMNSLRAEDTAVYYCVRHGNFGDSYVSWFDYWGQGT¹LVTVSS

SEQ ID NO:221

QAVVTQEPSLTVSPGGTVTLT²CGSSTGAVTISNYANWVQKPGKSPRGLIGGT³NKRAPGVPARFSGSLLGGKAALTIS
GAQPEDEADYYCALWYSNHWVFGGGTKLTVL

Figura 68D

H1.31_L1.47

SEQ ID NO:222

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMS**WVRQAPGKGLEWVGRI**RSKYNNYATYYADSVKGRFTISRDDS
KNTLYLQMNSLRAEDTAVYYCVRHGNFGDSYVSWFAYWGQGT**LVTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQE**
PSLTVSPGGTVTLTCGSSTGAVTTSNYAN**WVQKPGKSPRGLIGGTNKRAP**GVPARFSGSLLGGKAALTISGAQPEDE
ADYYCALWYSNH**WVFGGGTKLTVL**GSHHHHHH

SEQ ID NO:223

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMS**WVRQAPGKGLEWVGRI**RSKYNNYATYYADSVKGRFTISRDDS
KNTLYLQMNSLRAEDTAVYYCVRHGNFGDSYVSWFAYWGQGT**LVTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQE**
PSLTVSPGGTVTLTCGSSTGAVTTSNYAN**WVQKPGKSPRGLIGGTNKRAP**GVPARFSGSLLGGKAALTISGAQPEDE
ADYYCALWYSNH**WVFGGGTKLTVL**

SEQ ID NO:224

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMS**WVRQAPGKGLEWVGRI**RSKYNNYATYYADSVKGRFTISRDDS
KNTLYLQMNSLRAEDTAVYYCVRHGNFGDSYVSWFAYWGQGT**LVTVSS**

SEQ ID NO:225

QAVVTQEPSLTVSPGGTVTLTCGSSTGAVTTSNYAN**WVQKPGKSPRGLIGGTNKRAP**GVPARFSGSLLGGKAALTIS
GAQPEDEADYYCALWYSNH**WVFGGGTKLTVL**

Figura 68E

H1.32_L1.47

SEQ ID NO:226

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKANNYATYYADSVKGRFTISRDDS
KNTLYLQMNSLRAEDTAVYYCVRHGNFGDSYVSWFAYWGQGTlVTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQE
PSLTVSPGGTVTLTCGSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDE
ADYYCALWYSNHWWVFGGGTKLTVLGSHHHHHH

SEQ ID NO:227

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKANNYATYYADSVKGRFTISRDDS
KNTLYLQMNSLRAEDTAVYYCVRHGNFGDSYVSWFAYWGQGTlVTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQE
PSLTVSPGGTVTLTCGSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDE
ADYYCALWYSNHWWVFGGGTKLTVL

SEQ ID NO:228

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKANNYATYYADSVKGRFTISRDDS
KNTLYLQMNSLRAEDTAVYYCVRHGNFGDSYVSWFAYWGQGTlVTVSS

SEQ ID NO:229

QAVVTQEPSLTVSPGGTVTLTCGSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTIS
GAQPEDEADYYCALWYSNHWWVFGGGTKLTVL

Figura 68F

H1.88_L1.47

SEQ ID NO:230

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDS
KNTLYLQMNSLRAEDTAVYYCVRHGNFGPSYVSWFAYWGQGTLLTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQE
PSLTVSPGGTVTLTCSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDE
ADYYCALWYSNHWWFGGGKLTVLGSHHHHHH

SEQ ID NO:231

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDS
KNTLYLQMNSLRAEDTAVYYCVRHGNFGPSYVSWFAYWGQGTLLTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQE
PSLTVSPGGTVTLTCSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDE
ADYYCALWYSNHWWFGGGKLTVL

SEQ ID NO:232

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDS
KNTLYLQMNSLRAEDTAVYYCVRHGNFGPSYVSWFAYWGQGTLLTVSS

SEQ ID NO:233

QAVVTQEPSLTVSPGGTVTLTCSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTIS
GAQPEDEADYYCALWYSNHWWFGGGKLTVL

Figura 68G

H1.89_L1.47

SEQ ID NO:234

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDS
KNTLYLQMNSLRAEDTAVYYCVRHGNFGDEYVSWFAYWGQGT LTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQE
PSLTVSPGGTVTLTCGSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDE
ADYYCALWYSNHWVFSGGGTKLTVLGSHHHHHHH

SEQ ID NO:235

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDS
KNTLYLQMNSLRAEDTAVYYCVRHGNFGDEYVSWFAYWGQGT LTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQE
PSLTVSPGGTVTLTCGSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDE
ADYYCALWYSNHWVFSGGGTKLTVL

SEQ ID NO:236

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDS
KNTLYLQMNSLRAEDTAVYYCVRHGNFGDEYVSWFAYWGQGT LTVSS

SEQ ID NO:237

QAVVTQEPSLTVSPGGTVTLTCGSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTIS
GAQPEDEADYYCALWYSNHWVFSGGGTKLTVL

Figura 68H

H1.90_L1.47

SEQ ID NO:238

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDS
KNTLYLQMNSLRAEDTAVYYCVRHGNFGDPYVSWFAYWGQGTLLTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQE
PSLTVSPGGTVTLTCGSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDE
ADYYCALWYSNHWVFVGGGKLTVLGSHHHHHH

SEQ ID NO:239

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDS
KNTLYLQMNSLRAEDTAVYYCVRHGNFGDPYVSWFAYWGQGTLLTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQE
PSLTVSPGGTVTLTCGSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDE
ADYYCALWYSNHWVFVGGGKLTVL

SEQ ID NO:240

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDS
KNTLYLQMNSLRAEDTAVYYCVRHGNFGDPYVSWFAYWGQGTLLTVSS

SEQ ID NO:241

QAVVTQEPSTLTVSPGGTVTLTCGSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTIS
GAQPEDEADYYCALWYSNHWVFVGGGKLTVL

Figura 68I

H1.91_L1.47

SEQ ID NO:242

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKANNYATYYADSVKGRFTISRDDS
KNTLYLQMNSLRAEDTAVYYCVRHGNFGDSYVSWFAYWGQGTLLTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQE
PSLTVSPGGTTLTLCGSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDE
ADYYCALWYSNHWVFGGGTKLTVLGSHHHHHH

SEQ ID NO:243

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKANNYATYYADSVKGRFTISRDDS
KNTLYLQMNSLRAEDTAVYYCVRHGNFGDSYVSWFAYWGQGTLLTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQE
PSLTVSPGGTTLTLCGSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDE
ADYYCALWYSNHWVFGGGTKLTVL

SEQ ID NO:244

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKANNYATYYADSVKGRFTISRDDS
KNTLYLQMNSLRAEDTAVYYCVRHGNFGDSYVSWFAYWGQGTLLTVSS

SEQ ID NO:245

QAVVTQEPSLTVSPGGTTLTLCGSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTIS
GAQPEDEADYYCALWYSNHWVFGGGTKLTVL

Figura 68J

H1.92_L1.47

SEQ ID NO:246

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIIRSKYNNYATAYADSVKGRFTISRDDS
KNTLYLQMNSLRAEDTAVYYCVRHGNFGDSYVSWFAYWGQGLTVTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQE
PSLTVSPGGTVTLTCSSTGAVTTSNYANWVQQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDE
ADYYCALWYSNHWWVFGGGTKLTVLGSHHHHHH

SEQ ID NO:247

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIIRSKYNNYATAYADSVKGRFTISRDDS
KNTLYLQMNSLRAEDTAVYYCVRHGNFGDSYVSWFAYWGQGLTVTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQE
PSLTVSPGGTVTLTCSSTGAVTTSNYANWVQQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDE
ADYYCALWYSNHWWVFGGGTKLTVL

SEQ ID NO:248

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIIRSKYNNYATAYADSVKGRFTISRDDS
KNTLYLQMNSLRAEDTAVYYCVRHGNFGDSYVSWFAYWGQGLTVTVSS

SEQ ID NO:249

QAVVTQEPSLTVSPGGTVTLTCSSTGAVTTSNYANWVQQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTIS
GAQPEDEADYYCALWYSNHWWVFGGGTKLTVL

Figura 68K

H1.93_L1.47

SEQ ID NO:250

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIIRSKYNNYATYYADSVKGRFTISRDDS
KNTLYLQMNSLRAEDTAVYYCVRHGNFGESYVSWFAYWGQGTTLTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQE
PSLTVSPGGTVTLTCSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDE
ADYYCALWYSNHWVFSGGKTLTVLGSHHHHHH

SEQ ID NO:251

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIIRSKYNNYATYYADSVKGRFTISRDDS
KNTLYLQMNSLRAEDTAVYYCVRHGNFGESYVSWFAYWGQGTTLTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQE
PSLTVSPGGTVTLTCSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDE
ADYYCALWYSNHWVFSGGKTLTVL

SEQ ID NO:252

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIIRSKYNNYATYYADSVKGRFTISRDDS
KNTLYLQMNSLRAEDTAVYYCVRHGNFGESYVSWFAYWGQGTTLTVSS

SEQ ID NO:253

QAVVTQEPSLTVSPGGTVTLTCSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTIS
GAQPEDEADYYCALWYSNHWVFSGGKTLTVL

Figure 68L

H1.94_L1.47

SEQ ID NO:254

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKN
TLYLQMNSLRAEDTAVYYCVRHGNFGQSYVSWFAYWGQGLTVTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTV
SPGGTVTLTCSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCAL
WYSNHWVFGGGTKLTVLGSHHHHHH

SEQ ID NO:255

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKN
TLYLQMNSLRAEDTAVYYCVRHGNFGQSYVSWFAYWGQGLTVTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTV
SPGGTVTLTCSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCAL
WYSNHWVFGGGTKLTVL

SEQ ID NO:256

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKN
TLYLQMNSLRAEDTAVYYCVRHGNFGQSYVSWFAYWGQGLTVTVSS

SEQ ID NO: 257

QAVVTQEPSLTVSPGGTVTLTCSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGA
QPEDEADYYCALWYSNHWVFGGGTKLTVL

Figura 68M

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SEQ ID NO: 258

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMN WVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKN
TLYLQMNSLRAEDTAVYYCVRHGNFGDNYVSWFAYWGQGT LVT VSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTV
SPGGTVTLTCGSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGV PARFSGSLLGGKAALTISGAQPEDEADYYCAL
WYSNHWVFGGGTKLTVLGSHHHHHH

SEQ ID NO: 259

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMN WVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKN
TLYLQMNSLRAEDTAVYYCVRHGNFGDNYVSWFAYWGQGT LVT VSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTV
SPGGTVTLTCGSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGV PARFSGSLLGGKAALTISGAQPEDEADYYCAL
WYSNHWVFGGGTKLTVL

SEQ ID NO: 260

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMN WVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKN
TLYLQMNSLRAEDTAVYYCVRHGNFGDNYVSWFAYWGQGT LVT VSS

SEQ ID NO: 261

QAVVTQEPSLTVSPGGTVTLTCGSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGV PARFSGSLLGGKAALTISGA
QPEDEADYYCALWYSNHWVFGGGTKLTVL

Figura 68N

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SEQ ID NO: 262

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKN
TLYLQMNSLRAEDTAVYYCVRHGNFGDQYVSWFAYWGQGTTLTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPLTV
SPGGTVTLTCGSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCAL
WYSNHWVFGGGTKLTVLGSHHHHHH

SEQ ID NO: 263

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKN
TLYLQMNSLRAEDTAVYYCVRHGNFGDQYVSWFAYWGQGTTLTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPLTV
SPGGTVTLTCGSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCAL
WYSNHWVFGGGTKLTVL

SEQ ID NO: 264

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKN
TLYLQMNSLRAEDTAVYYCVRHGNFGDQYVSWFAYWGQGTTLTVSS

SEQ ID NO: 265

QAVVTQEPLTVSPGGTVTLTCGSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGA
QPEDEADYYCALWYSNHWVFGGGTKLTVL

Figura 680

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SEQ ID NO: 266

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKANNYATYYADSVKGRFTISRDDSKN
TLYLQMNSLRAEDTAVYYCVRHGNFGDSYVSWFDYWGQGLTVTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTV
SPGGTVTLTCGSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCAL
WYSNHWVFGGGTKLTVLGSHHHHHH

SEQ ID NO: 267

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKANNYATYYADSVKGRFTISRDDSKN
TLYLQMNSLRAEDTAVYYCVRHGNFGDSYVSWFDYWGQGLTVTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTV
SPGGTVTLTCGSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCAL
WYSNHWVFGGGTKLTVL

SEQ ID NO: 268

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKANNYATYYADSVKGRFTISRDDSKN
TLYLQMNSLRAEDTAVYYCVRHGNFGDSYVSWFDYWGQGLTVTVSS

SEQ ID NO: 269

QAVVTQEPSLTVSPGGTVTLTCGSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGA
QPEDEADYYCALWYSNHWVFGGGTKLTVL

Figura 68P

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SEQ ID NO: 270

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKYNNYATAYADSVKGRFTISRDDSKN
TLYLQMNSLRAEDTAVYYCVRHGNFGDSYVSWFDYWGQGTTLTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTV
SPGGTVTLTCGSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCAL
WYSNHWVFGGGTKLTVLGSHHHHHH

SEQ ID NO: 271

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKYNNYATAYADSVKGRFTISRDDSKN
TLYLQMNSLRAEDTAVYYCVRHGNFGDSYVSWFDYWGQGTTLTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTV
SPGGTVTLTCGSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCAL
WYSNHWVFGGGTKLTVL

SEQ ID NO: 272

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKYNNYATAYADSVKGRFTISRDDSKN
TLYLQMNSLRAEDTAVYYCVRHGNFGDSYVSWFDYWGQGTTLTVSS

SEQ ID NO: 273

QAVVTQEPSLTVSPGGTVTLTCGSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGA
QPEDEADYYCALWYSNHWVFGGGTKLTVL

Figura 68Q

H1.100_L1.47

SEQ ID NO: 274

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKN
TLYLQMNSLRAEDTAVYYCVRHGNGFASVSWFDYWGQGTTLTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTV
SPGGTVTLTCGSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCAL
WYSNHWVFGGGTKLTVLGSHHHHHH

SEQ ID NO: 275

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKN
TLYLQMNSLRAEDTAVYYCVRHGNGFASVSWFDYWGQGTTLTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTV
SPGGTVTLTCGSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCAL
WYSNHWVFGGGTKLTVL

SEQ ID NO: 276

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKN
TLYLQMNSLRAEDTAVYYCVRHGNGFASVSWFDYWGQGTTLTVSS

SEQ ID NO: 277

QAVVTQEPSLTVSPGGTVTLTCGSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGA
QPEDEADYYCALWYSNHWVFGGGTKLTVL

Figura 68R

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SEQ ID NO: 278

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMN WVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKN
TLYLQMNSLRAEDTAVYYCVRHGNFGQSYVSWFDYWGQGT LVT VSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTV
SPGGTVTLTCGSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGV PARFSGSLLGGKAALTISGAQPEDEADYYCAL
WYSNHWVFGGGTKLTVLGSHHHHHH

SEQ ID NO: 279

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMN WVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKN
TLYLQMNSLRAEDTAVYYCVRHGNFGQSYVSWFDYWGQGT LVT VSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTV
SPGGTVTLTCGSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGV PARFSGSLLGGKAALTISGAQPEDEADYYCAL
WYSNHWVFGGGTKLTVL

SEQ ID NO: 280

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMN WVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKN
TLYLQMNSLRAEDTAVYYCVRHGNFGQSYVSWFDYWGQGT LVT VSS

SEQ ID NO: 281

QAVVTQEPSLTVSPGGTVTLTCGSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGV PARFSGSLLGGKAALTISGA
QPEDEADYYCALWYSNHWVFGGGTKLTVL

Figura 68S

H1.102_L1.47

SEQ ID NO: 282

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKN
TLYLQMNSLRAEDTAVYYCVRHGNFGDEYVSWFDYWGQGLTVTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTV
SPGGTVTLTCGSSTGAVTTSNYANWVQQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCAL
WYSNHWVFGGGTKLTVLGSHHHHHH

SEQ ID NO: 283

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKN
TLYLQMNSLRAEDTAVYYCVRHGNFGDEYVSWFDYWGQGLTVTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTV
SPGGTVTLTCGSSTGAVTTSNYANWVQQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCAL
WYSNHWVFGGGTKLTVL

SEQ ID NO: 284

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKN
TLYLQMNSLRAEDTAVYYCVRHGNFGDEYVSWFDYWGQGLTVTVSS

SEQ ID NO: 285

QAVVTQEPSLTVSPGGTVTLTCGSSTGAVTTSNYANWVQQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGA
QPEDEADYYCALWYSNHWVFGGGTKLTVL

Figura 68T

H1.103_L1.47

SEQ ID NO: 286

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKN
TLYLQMNSLRAEDTAVYYCVRHGNFGDNYVSWFDYWGQGTTLVTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTV
SPGGTVTLTCSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCAL
WYSNHWVFGGGTKLTVLGSHHHHHH

SEQ ID NO: 287

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKN
TLYLQMNSLRAEDTAVYYCVRHGNFGDNYVSWFDYWGQGTTLVTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTV
SPGGTVTLTCSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCAL
WYSNHWVFGGGTKLTVL

SEQ ID NO: 288

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKN
TLYLQMNSLRAEDTAVYYCVRHGNFGDNYVSWFDYWGQGTTLVTVSS

SEQ ID NO: 289

QAVVTQEPSLTVSPGGTVTLTCSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGA
QPEDEADYYCALWYSNHWVFGGGTKLTVL

Figura 68U

H1.104_L1.47

SEQ ID NO: 290

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKN
TLYLQMNSLRAEDTAVYYCVRHGNFGDPYVSWFDYWGQGLTVTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTV
SPGGTVTLTCSSTGAVTTSNYANWVQQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCAL
WYSNHWVFGGGTKLTVLGSHHHHHH

SEQ ID NO: 291

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKN
TLYLQMNSLRAEDTAVYYCVRHGNFGDPYVSWFDYWGQGLTVTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTV
SPGGTVTLTCSSTGAVTTSNYANWVQQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCAL
WYSNHWVFGGGTKLTVL

SEQ ID NO: 292

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKN
TLYLQMNSLRAEDTAVYYCVRHGNFGDPYVSWFDYWGQGLTVTVSS

SEQ ID NO: 293

QAVVTQEPSLTVSPGGTVTLTCSSTGAVTTSNYANWVQQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGA
QPEDEADYYCALWYSNHWVFGGGTKLTVL

Figura 68V

H1.105_L1.47

SEQ ID NO: 294

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKN
TLYLQMNSLRAEDTAVYYCVRHGNFGDQYVSWFDYWGQGTTLVTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTV
SPGGTVTLTCGSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCAL
WYSNHWVFGGGTKLTVLGSHHHHHH

SEQ ID NO: 295

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKN
TLYLQMNSLRAEDTAVYYCVRHGNFGDQYVSWFDYWGQGTTLVTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTV
SPGGTVTLTCGSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCAL
WYSNHWVFGGGTKLTVL

SEQ ID NO: 296

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKN
TLYLQMNSLRAEDTAVYYCVRHGNFGDQYVSWFDYWGQGTTLVTVSS

SEQ ID NO: 297

QAVVTQEPSLTVSPGGTVTLTCGSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGA
QPEDEADYYCALWYSNHWVFGGGTKLTVL

Figura 68W

H1.106_L1.47

SEQ ID NO: 298

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKANNYATAYADSVKGRFTISRDDSKN
TLYLQMNSLRAEDTAVYYCVRHGNFGDSYVSWFAYWGQGTTLTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTV
SPGGTVTLTCGSSTGAVTTSNYANWVQQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCAL
WYSNHWVFGGGTKLTVLGSHHHHHH

SEQ ID NO: 299

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKANNYATAYADSVKGRFTISRDDSKN
TLYLQMNSLRAEDTAVYYCVRHGNFGDSYVSWFAYWGQGTTLTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTV
SPGGTVTLTCGSSTGAVTTSNYANWVQQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCAL
WYSNHWVFGGGTKLTVL

SEQ ID NO: 300

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKANNYATAYADSVKGRFTISRDDSKN
TLYLQMNSLRAEDTAVYYCVRHGNFGDSYVSWFAYWGQGTTLTVSS

SEQ ID NO: 301

QAVVTQEPSLTVSPGGTVTLTCGSSTGAVTTSNYANWVQQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGA
QPEDEADYYCALWYSNHWVFGGGTKLTVL

Figura 68X

H1.107_L1.47

SEQ ID NO: 302

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKANNYATAYADSVKGRFTISRDDSKN
TLYLQMNSLRAEDTAVYYCVRHGNFGASYVSWFAYWGQGLTVTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTV
SPGGTVTLTCGSSTGAVTTSNYANWVQQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCAL
WYSNHWVFGGGTKLTVLGSHHHHHH

SEQ ID NO: 303

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKANNYATAYADSVKGRFTISRDDSKN
TLYLQMNSLRAEDTAVYYCVRHGNFGASYVSWFAYWGQGLTVTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTV
SPGGTVTLTCGSSTGAVTTSNYANWVQQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCAL
WYSNHWVFGGGTKLTVL

SEQ ID NO: 304

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKANNYATAYADSVKGRFTISRDDSKN
TLYLQMNSLRAEDTAVYYCVRHGNFGASYVSWFAYWGQGLTVTVSS

SEQ ID NO: 305

QAVVTQEPSLTVSPGGTVTLTCGSSTGAVTTSNYANWVQQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGA
QPEDEADYYCALWYSNHWVFGGGTKLTVL

Figura 68Y

H1.108_L1.47

SEQ ID NO: 306

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKANNYATAYADSVKGRFTISRDDSKN
TLYLQMNSLRAEDTAVYYCVRHGNFGQSYVSWFAYWGQTLTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSTV
SPGGTVTLTCGSSTGAVTTSNYANWVQQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCAL
WYSNHWVFGGGTKLTVLGSHHHHHH

SEQ ID NO: 307

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKANNYATAYADSVKGRFTISRDDSKN
TLYLQMNSLRAEDTAVYYCVRHGNFGQSYVSWFAYWGQTLTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSTV
SPGGTVTLTCGSSTGAVTTSNYANWVQQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCAL
WYSNHWVFGGGTKLTVL

SEQ ID NO: 308

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKANNYATAYADSVKGRFTISRDDSKN
TLYLQMNSLRAEDTAVYYCVRHGNFGQSYVSWFAYWGQTLTVSS

SEQ ID NO: 309

QAVVTQEPSTVSPGGTVTLTCGSSTGAVTTSNYANWVQQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGA
QPEDEADYYCALWYSNHWVFGGGTKLTVL

Figura 68Z

H1.109_L1.47

SEQ ID NO: 310

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKANNYATAYADSVKGRFTISRDDSKN
TLYLQMNSLRAEDTAVYYCVRHGNFGDSYVSWFDYWGQGTTLTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTV
SPGGTVTLTCGSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCAL
WYSNHWVFGGGTKLTVLGSHHHHHH

SEQ ID NO: 311

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKANNYATAYADSVKGRFTISRDDSKN
TLYLQMNSLRAEDTAVYYCVRHGNFGDSYVSWFDYWGQGTTLTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTV
SPGGTVTLTCGSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCAL
WYSNHWVFGGGTKLTVL

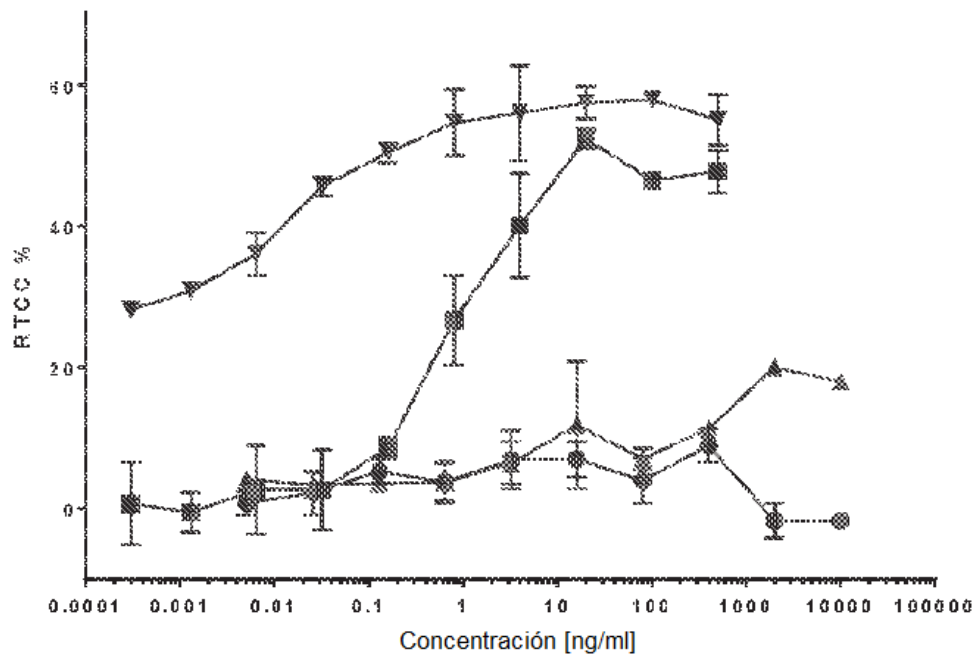
SEQ ID NO: 312

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNWVRQAPGKGLEWVGRIRSKANNYATAYADSVKGRFTISRDDSKN
TLYLQMNSLRAEDTAVYYCVRHGNFGDSYVSWFDYWGQGTTLTVSS

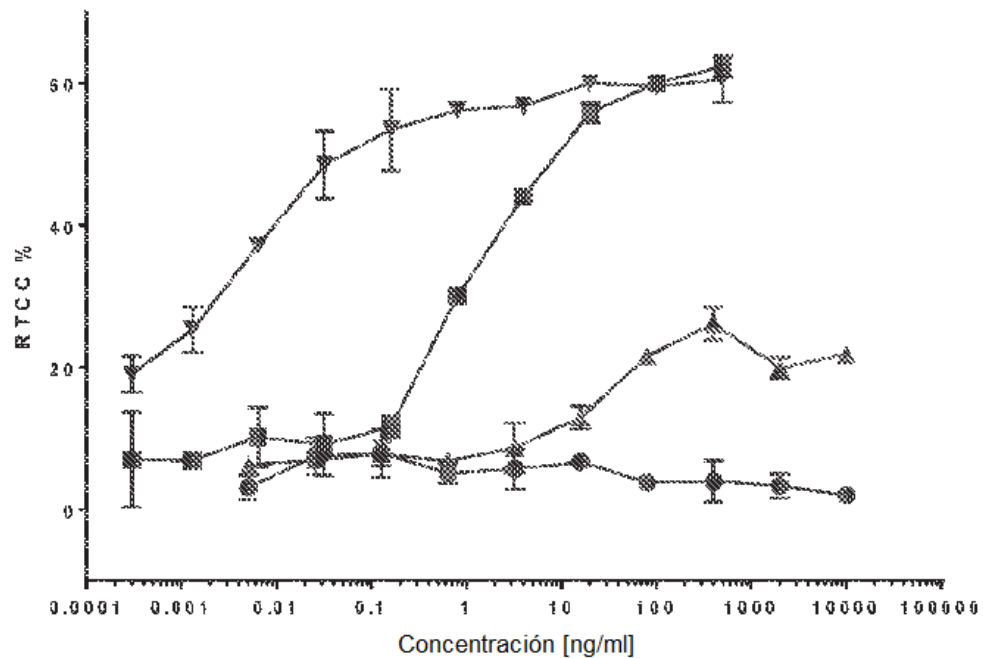
SEQ ID NO: 313

QAVVTQEPSLTVSPGGTVTLTCGSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGA
QPEDEADYYCALWYSNHWVFGGGTKLTVL

Figura 69



- ◆ 14701 Anti-CD38 (OKT10_H1L1) x Anti-CD3 (H1.31_L1.47) Fab-scFv-Fc
- 13243 Anti-CD38 (OKT10_H1L1) x Anti-CD3 (H1.30_L1.47) Fab-scFv-Fc
- ▲ 15055 Anti-CD38 (OKT10_H1L1) x Anti-CD3 (H1.33_L1.47) Fab-scFv-Fc
- ✕ 13551 Anti-CD38 (OKT10_H1.77_L1.24) x Anti-CD3 (H1.30_L1.47) Fab-scFv-Fc



- ◆ 14702 Anti-CD38 (OKT10_H1.77_L1.24) x Anti-CD3 (H1.31_L1.47) Fab-scFv-Fc
- 13551 Anti-CD38 (OKT10_H1.77_L1.24) x Anti-CD3 (H1.30_L1.47) Fab-scFv-Fc
- ▲ 15423 Anti-CD38 (OKT10_H1.77_L1.24) x Anti-CD3 (H1.33_L1.47) Fab-scFv-Fc
- ✕ 13243 Anti-CD38 (OKT10_H1L1) x Anti-CD3 (H1.30_L1.47) Fab-scFv-Fc

Figura 70

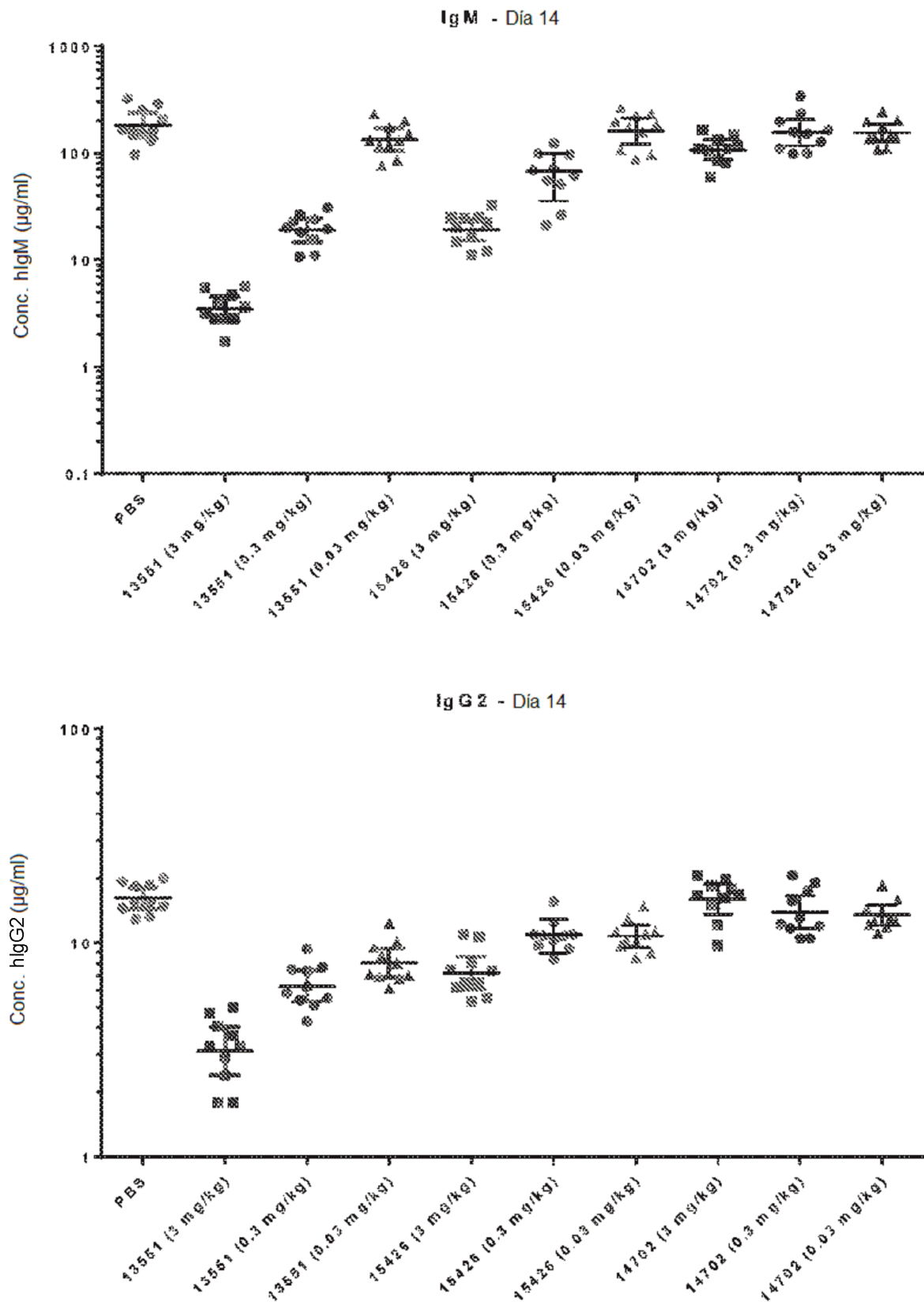


Figura 71

XENP15049 Anti-CD19 (4G7_H1.227_L1.199) x Anti-CD3 (H1.30_L1.47) Fab-scFv-Fc

HC 1 (Fab-Fc) (SEQ ID NO: 314)

EVQLVESGGGLVKPGGSLKLSAASGYFTSYVMHWVRQAPGGGLEWIGYINPYNDGTYNEKFKGRVTISSDKSKSTAY
MELSSLRSEDTAVYYCARGTYYYGTRVFDYWGGQTLVTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSW
NSGALTSGVHTFPAVLQSSGLYSLSSVVTVPSSSLGTQTYICNVNHKPSDTKVDKKVEPKSCDKTHTCPPCPAPPVAGPSVFL
FPPKPKDTLMISRTPEVTCVVVDVKHEDPEVKFNWYVDGVEVHNAKTKPREEEYNSTYRVVSVLTVLHQDWLNGKEYKCK
VSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVSGFYPSDIAVEWESDGGQPENNYKTPPVLDSDGSF
FLYSKLTVDKSRWEQGDVFSCSVMHEALHNHYTQKSLSLSPGK

HC 2 (scFv-Fc) (SEQ ID NO: 315)

EVQLVESGGGLVQPGGSLRLSAAAGFTSTYAMNWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKNT
LYLQMNSLR AEDTAVYYCVRHGNFGDSYVSWFAYWGQTLVTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTVSP
GGTVTLTCGSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCALWY
SNHWVFGGGTKLTVLEPKSSDKTHTCPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVVDVKHEDPEVKFNWYVDG
VEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREQMTKNQ
VKLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSL
SPGK

LC (SEQ ID NO: 316)

DIVMTQSPATLSLSPGERATISCRSSKSLQNVNGNTYLYWFQQKPGQSPKLLIYRASNLNSGVPDRFSGSGSGTEFTLTISLE
PEDFAVYYCMQHLEYPITFGGGTKLEIKRTVAAPSVFIFPPSDEQLKSGTASVVCLLNNFYFPREAKVQWKVDNALQSGNSQE
SVTEQDSKDYSLSTLTLSKADYEKHKVYACEVTHQGLSPVTKSFNRGEC

Figura 72

XENP15051 Anti-CD19 (4G7_H1.227_L1.199) x Anti-CD3 (H1.31_L1.47) Fab-scFv-Fc

HC 1 (Fab-Fc) (SEQ ID NO: 317)

EVQLVESGGGLVQPGGSLKLSCAASGYTFTSYVMHWVRQAPGGGLEWIGYINPYNDGTYNEKFKGRVTISSDKSKSTAY
MELSSLRSEDTAVYYCARGTYYYGTRVFDYWGGQTLTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSW
NSGALTSKVHTFPAVLQSSGLYSLSVTVPSSSLGTQTYICNVNHKPSDTKVDKKVEPKSCDKTHTCPPCPAPPVAGPSVFL
FPPKPKDTLMISRTPEVTCVVVDVKHEDPEVKFNWYVDGVEVHNAKTKPREEEYNSTYRVVSVLTVLHQDWLNGKEYKCK
VSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVSGFYPSDIAVEWESDGGQPENNYKTPPVLDSDGSF
FLYSKLTVDKSRWEQGDVFSCVMHEALHNHYTQKSLSLSPGK

HC 2 (scFv-Fc) (SEQ ID NO: 318)

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMSWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKNT
LYLQMNSLRAEDTAVYYCVRHGNFGDSYVSWFAYWGQTLTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTVSP
GGTVTLTCSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCALWY
SNHWVFGGGTKLTVLEPKSSDKTHTCPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVVDVKHEDPEVKFNWYVDG
VEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREQMTKNQ
VKLTCLVKGFPYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCVMHEALHNHYTQKSLSL
SPGK

LC (SEQ ID NO: 319)

DIVMTQSPATLSLSPGERATISCRSSKSLQNVNGNTYLYWFQQKPGQSPKLLIYRASNLNSGVPDRFSGSGSGTEFTLTISLE
PEDFAVYYCMQHLEYPITFGGGTKLEIKRTVAAPSVFIFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSGNSQE
SVTEQDSKDSSTLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

Figura 73

XENP15050 Anti-CD19 (4G7_H1.227_L1.199) x Anti-CD3 (H1.33_L1.47) Fab-scFv-Fc

HC 1 (Fab-Fc) (SEQ ID NO: 320)

EVQLVESGGGLVKPGGSLKLSAASGYTFTSYVMHWVRQAPGGGLEWIGYINPYNDGTYNEKFKGRVTISSDKSKSTAY
MELSSLRSEDTAVYYCARGTYYYGTRVFDYWGGQTLTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSW
NSGALTSKVHTFPAVLQSSGLYSLSVVTPSSSLGTQTYICNVNHKPSDTKVDKKVEPKSCDKTHTCPPCPAPPVAGPSVFL
FPPKPKDTLMISRTPEVTCVVVDVKHEDPEVKFNWYVDGVEVHNAKTKPREEEYNSTYRVVSVLTVLHQDWLNGKEYKCK
VSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVSGFYPSDIAVEWESDQGQPENNYKTPPVLDSDGSF
FLYSKLTVDKSRWEQGDVFSCVMHEALHNHYTQKSLSLSPGK

HC 2 (scFv-Fc) (SEQ ID NO: 321)

EVQLVESGGGLVQPGGSLRLSAAAGFTSTYAMNWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKNT
LYLQMNSLRSEDTAVYYCVRHGNFGDSYVSWFDYWGGQTLTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTVSP
GGTVTLTCSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCALWY
SNHWVFGGGTKLTVLEPKSSDKTHTCPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVVDVKHEDPEVKFNWYVDG
VEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREQMTKNQ
VKLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCVMHEALHNHYTQKSLSL
SPGK

LC (SEQ ID NO: 322)

DIVMTQSPATLSLSPGERATISCRSSKSLQNVNGNTYLYWFQQKPGQSPKLLIYRASNLNSGVPDRFSGSGSGTEFTLTISLE
PEDFAVYYCMQHLEYPITFGGGTKLEIKRTVAAPSVFIFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSGNSQE
SVTEQDSKDSSTLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

Figura 74

XENP13676 Anti-CD20 (C2B8_H1L1) x Anti-CD3 (H1.30_L1.47) Fab-scFv-Fc

HC 1 (Fab-Fc) (SEQ ID NO: 323)

QVQLVQSGAEVKKPGASVKVSCKASGYFTSYNMHWVRQAPGQGLEWMGAIYPGNGDTSYNQKFQGRVTITADKSIST
AYMELSSLRSEDTAVYYCARSTYYGGDWYFNVWGAGTLTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVT
VSWNSGALTSGVHTFPAVLQSSGLYSLSSVTVPSSSLGTQTYICNVNHKPSDTKVDKKVEPKSCDKTHTCPPCPAPPVAGP
SVFLFPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWYVDGVEVHNAKTKPREEEYNSTYRVVSVLTVLHQDWLNGKE
YKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVSGFYPSDIAVEWESDGGQPENNYKTPPVLD
DGSFFLYSKLTVDKSRWEQGDVFSCSVMEALHNHYTQKSLSLSPGK

HC 2 (scFv-Fc) (SEQ ID NO: 324)

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNHWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKNT
LYLQMNSLRAEDTAVYYCVRHGNFGDSYVSWFAYWGQGTTLTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTVSP
GGTVTLTCSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCALWY
SNHWVFGGGTKLTVLEPKSSDKTHTCPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWYVDG
VEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREQMTKNQ
VKLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMEALHNHYTQKSLSL
SPGK

LC (SEQ ID NO: 325)

QIVLTQSPSSLSASVGDRVITTCRASSSVSYIHWFQQKPGKSPKPLIYATSNLASGVPVRFSGSGSGTDYTLTISSLQPEDFATY
YCQQWTSNPPTFGGGTKVEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPREAKVQWKVDNALQSGNSQESVTEQ
DSKDYSTYLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

Figura 75

XENP14696 Anti-CD20 (C2B8_H1L1) x Anti-CD3 (H1.31_L1.47) Fab-scFv-Fc

HC 1 (Fab-Fc) (SEQ ID NO: 326)

QVQLVQSGAEVKKPGASVKVSCKASGYFTSYNMHWVRQAPGQGLEWMGAIYPGNGDTSYNQKFQGRVTITADKSIST
AYMELSSLRSEDTAVYYCARSTYYGGDWYFNVWGAGTLTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVT
VSWNSGALTSGVHTFPAVLQSSGLYSLSSVTVPSSSLGTQTYICNVNHKPSDTKVDKKVEPKSCDKTHTCPPCPAPPVAGP
SVFLFPPKPKDTLMISRTPEVTCVVDVVKHEDPEVKFNWYVDGVEVHNAKTKPREEEYNSTYRVVSVLTVLHQDWLNGKE
YKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVSGFYPSDIAVEWESDGGQPENNYKTPPVLD
DGSFFLYSKLTVDKSRWEQGDVFSCSVMEALHNHYTQKSLSLSPGK

HC 2 (scFv-Fc) (SEQ ID NO: 327)

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMSWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKNT
LYLQMNSLRAEDTAVYYCVRHGNFGDSYVSWFAYWGQGTTLTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTVSP
GGTVTLTCSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCALWY
SNHWVFGGGTKLTVLEPKSSDKTHTCPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVDVVKHEDPEVKFNWYVDG
VEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREQMTKNQ
VKLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMEALHNHYTQKSLSL
SPGK

LC (SEQ ID NO: 328)

QIVLTQSPSSLSASVGDRVITTCRASSSVSYIHWFQQKPGKSPKPLIYATSNLASGVPVRFSGSGSGTDYTLTISSLQPEDFATY
YCQQWTSNPPTFGGGTKVEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPREAKVQWKVDNALQSGNSQESVTEQ
DSKDYSTYLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

Figura 76

XENP15629 Anti-CD20 (C2B8_H1L1) x Anti-CD3 (H1.32_L1.47) Fab-scFv-Fc

HC 1 (Fab-Fc) (SEQ ID NO: 329)

QVQLVQSGAEVKKPGASVKVSCKASGYFTSYNMHWVRQAPGQGLEWMGAIYPGNGDTSYNQKFQGRVTITADKSIST
AYMELSSLRSEDTAVYYCARSTYYGGDWYFNVWGAGTLTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVT
VSWNSGALTSGVHTFPAVLQSSGLYSLSSVTVPSSSLGTQTYICNVNHKPSDTKVDKKVEPKSCDKTHTCPPCPAPPVAGP
SVFLFPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWYVDGVEVHNAKTKPREEYNSTYRVVSVLTVLHQDWLNGKE
YKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVSGFYPSDIAVEWESDGGQPENNYKTPPVLDS
DGSFFLYSKLTVDKSRWEQGDVFSCSVMHEALHNHYTQKSLSLSPGK

HC 2 (scFv-Fc) (SEQ ID NO: 330)

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNHWVRQAPGKGLEWVGRIRSKANNYATYYADSVKGRFTISRDDSKNT
LYLQMNSLRAEDTAVYYCVRHGNFGDSYVSWFAYWGQGTTLTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTVSP
GGTVTLTCGSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCALWY
SNHWVFGGGTKLTVLEPKSSDKTHTCPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWYVDG
VEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREQMTKNQ
VKLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDS DGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSL
SPGK

LC (SEQ ID NO: 331)

QIVLTQSPSSLSASVGDRVITTCRASSSVSYIHWFAQKPGKSPKPLIYATSNLASGVPVRFSGSGSGTDYTLTISSLQPEDFATY
YCQQWTSNPPTFGGGTKVEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPREAKVQWKVDNALQSGNSQESVTEQ
DSKDYSTYLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

Figura 77

XENP15053 Anti-CD20 (C2B8_H1L1) x Anti-CD3 (H1.33_L1.47) Fab-scFv-Fc

HC 1 (Fab-Fc) (SEQ ID NO: 332)

QVQLVQSGAEVKKPGASVKVSCKASGYFTSYNMHWVRQAPGQGLEWMGAIYPGNGDTSYNQKFQGRVTITADKSIST
AYMELSSLRSEDTAVYYCARSTYYGGDWYFNVWGAGTLTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVT
VSWNSGALTSGVHTFPAVLQSSGLYSLSSVTVPSSSLGTTQYICNVNHPKSDTKVDKKEPKSCDKTHTCPPCPAPPVAGP
SVFLFPPKPKDTLMISRTPEVTCVVDVVKHEDPEVKFNWYVDGVEVHNAKTKPREEEYNSTYRVVSVLTVLHQDWLNGKE
YKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVSGFYPSDIAVEWESDGGQPENNYKTPPVLD
DGSFFLYSKLTVDKSRWEQGDVFSCSVMEALHNHYTQKSLSLSPGK

HC 2 (scFv-Fc) (SEQ ID NO: 333)

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNHWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKNT
LYLQMNSLRSEDTAVYYCVRHGNFGDSYVSWFDYWGQGTLLTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTVSP
GGTVTLTCSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCALWY
SNHWVFGGGTKLTVLEPKSSDKTHTCPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVDVVKHEDPEVKFNWYVDG
VEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREQMTKNQ
VKLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMEALHNHYTQKSLSL
SPGK

LC (SEQ ID NO: 334)

QIVLTQSPSSLSASVGDRVTITCRASSSVSYIHWFAQKPGKSPKPLIYATSNLASGVPVRFSGSGSGTDYTLTISSLQPEDFATY
YCQQWTSNPPTFGGGTKVEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPREAKVQWKVDNALQSGNSQESVTEQ
DSKDYSTYLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

Figura 78

XENP15630 Anti-CD20 (C2B8_H1L1) x Anti-CD3 (H1.88_L1.47) Fab-scFv-Fc

HC 1 (Fab-Fc) (SEQ ID NO: 335)

QVQLVQSGAEVKKPGASVKVSCKASGYFTSYNMHWVRQAPGQGLEWMGAIYPGNGDTSYNQKFQGRVTITADKSIST
AYMELSSLRSEDTAVYYCARSTYYGGDWYFNVWGAGTLTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVT
VSWNSGALTSGVHTFPAVLQSSGLYSLSSVTVPSSSLGTQTYICNVNHKPSDTKVDKKVEPKSCDKTHTCPPCPAPPVAGP
SVFLFPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWYVDGVEVHNAKTKPREEYNSTYRVVSVLTVLHQDWLNGKE
YKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVSGFYPSDIAVEWESDGGQPENNYKTPPVLD
DGSFFLYSKLTVDKSRWEQGDVFSCSVMHEALHNHYTQKSLSLSPGK

HC 2 (scFv-Fc) (SEQ ID NO: 336)

EVQLVESGGGLVQPGGSLRLSCAASGFTSTYAMNWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKNT
LYLQMNSLRAEDTAVYYCVRHGNFGPSYVSWFAYWGQGTTLTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTVSP
GGTVTLTCGSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCALWY
SNHWVFGGGTKLTVLEPKSSDKTHTCPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWYVDG
VEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREQMTKNQ
VKLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSL
SPGK

LC (SEQ ID NO: 337)

QIVLTQSPSSLSASVGDRVTITCRASSSVSYIHWFAQKPGKSPKPLIYATSNLASGVPVRFSGSGSGTDYTLTISSLQPEDFATY
YCQQWTSNPPTFGGGTKVEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPREAKVQWKVDNALQSGNSQESVTEQ
DSKDYSTYLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

Figura 79

XENP15631 Anti-CD20 (C2B8_H1L1) x Anti-CD3 (H1.89_L1.47) Fab-scFv-Fc

HC 1 (Fab-Fc) (SEQ ID NO: 338)

QVQLVQSGAEVKKPGASVKVSCKASGYFTSYNMHWVRQAPGQGLEWMGAIYPGNGDTSYNQKFQGRVTITADKSIST
AYMELSSLRSEDTAVYYCARSTYYGGDWYFNVWGAGTLTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVT
VSWNSGALTSGVHTFPAVLQSSGLYSLSSVTVPSSSLGTQTYICNVNHKPSDTKVDKKVEPKSCDKTHTCPPCPAPPVAGP
SVFLFPPKPKDTLMISRTPEVTCVVDVVKHEDPEVKFNWYVDGVEVHNAKTKPREEEYNSTYRVVSVLTVLHQDWLNGKE
YKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVSGFYPSDIAVEWESDGGQPENNYKTTTPVLDS
DGSFFLYSKLTVDKSRWEQGDVFSCSVMEALHNHYTQKSLSLSPGK

HC 2 (scFv-Fc) (SEQ ID NO: 339)

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNHWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKNT
LYLQMNSLRAEDTAVYYCVRHGNFGDEYVSWFAYWGQGTTLTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTVSP
GGTVTLTCSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCALWY
SNHWVFGGGTKLTVLEPKSSDKTHTCPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVDVVKHEDPEVKFNWYVDG
VEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREQMTKNQ
VKLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDS DGSFFLYSKLTVDKSRWQQGNVFSCSVMEALHNHYTQKSLSL
SPGK

LC (SEQ ID NO: 340)

QIVLTQSPSSLSASVGDRVTITCRASSSVSYIHWFAQKPGKSPKPLIYATSNLASGVPVRFSGSGSGTDYTLTISSLQPEDFATY
YCQQWTSNPPTFGGGTKVEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPREAKVQWKVDNALQSGNSQESVTEQ
DSKDYSTYLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

Figura 80

XENP15632 Anti-CD20 (C2B8_H1L1) x Anti-CD3 (H1.90_L1.47) Fab-scFv-Fc

HC 1 (Fab-Fc) (SEQ ID NO: 341)

QVQLVQSGAEVKKPGASVKVSCKASGYFTSYNMHWVRQAPGQGLEWMGAIYPGNGDTSYNQKFQGRVTITADKSIST
AYMELSSLRSEDTAVYYCARSTYYGGDWYFNVWGAGTLTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVT
VSWNSGALTSGVHTFPAVLQSSGLYSLSSVTVPSSSLGTQTYICNVNHKPSDTKVDKKVEPKSCDKTHTCPPCPAPPVAGP
SVFLFPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWYVDGVEVHNAKTKPREEEYNSTYRVVSVLTVLHQDWLNGKE
YKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVSGFYPSDIAVEWESDGGQPENNYKTPPVLD
DGSFFLYSKLTVDKSRWEQGDVFSCSVMEALHNHYTQKSLSLSPGK

HC 2 (scFv-Fc) (SEQ ID NO: 342)

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNHWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKNT
LYLQMNSLRAEDTAVYYCVRHGNFGDPYVSWFAYWGQGTLVTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTVSP
GGTVTLTCSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCALWY
SNHWVFGGGTKLTVLEPKSSDKTHTCPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWYVDG
VEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREQMTKNQ
VKLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMEALHNHYTQKSLSL
SPGK

LC (SEQ ID NO: 343)

QIVLTQSPSSLSASVGDRVITICRASSSVSYIHWFQQKPGKSPKPLIYATSNLASGVPVRFSGSGSGTDYTLTISSLQPEDFATY
YCQQWTSNPPTFGGGTKVEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPREAKVQWKVDNALQSGNSQESVTEQ
DSKDYSTYLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

Figura 81

XENP15633 Anti-CD20 (C2B8_H1L1) x Anti-CD3 (H1.91_L1.47) Fab-scFv-Fc

HC 1 (Fab-Fc) (SEQ ID NO: 344)

QVQLVQSGAEVKKPGASVKVSCKASGYFTSYNMHWVRQAPGQGLEWMGAIYPGNGDTSYNQKFQGRVTITADKSIST
AYMELSSLRSEDTAVYYCARSTYYGGDWYFNVWGAGTLTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVT
VSWNSGALTSGVHTFPAVLQSSGLYSLSSVTVPSSSLGTQTYICNVNHKPSDTKVDKKVEPKSCDKTHTCPPCPAPPVAGP
SVFLFPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWYVDGVEVHNAKTKPREEYNSTYRVVSVLTVLHQDWLNGKE
YKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVSGFYPSDIAVEWESDGGQPENNYKTPPVLD
DGSFFLYSKLTVDKSRWEQGDVFSCSVMEALHNHYTQKSLSLSPGK

HC 2 (scFv-Fc) (SEQ ID NO: 345)

EVQLVESGGGLVQPGGSLRLSCAASGFTSTYAMNWVRQAPGKGLEWVGRIRSKANNYATYYADSVKGRFTISRDDSKNT
LYLQMNSLRAEDTAVYYCVRHGNFGDSYVSWFAYWGQGTTLTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTVSP
GGTVTLTCGSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCALWY
SNHWVFGGGTKLTVLEPKSSDKTHTCPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWYVDG
VEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREQMTKNQ
VKLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMEALHNHYTQKSLSL
SPGK

LC (SEQ ID NO: 346)

QIVLTQSPSSLSASVGDRVTITCRASSSVSYIHWFQQKPGKSPKPLIYATSNLASGVPVRFSGSGSGTDYTLTISSLQPEDFATY
YCQQWTSNPPTFGGGTKVEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPREAKVQWKVDNALQSGNSQESVTEQ
DSKDYSTYLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

Figura 82

XENP15634 Anti-CD20 (C2B8_H1L1) x Anti-CD3 (H1.92_L1.47) Fab-scFv-Fc

HC 1 (Fab-Fc) (SEQ ID NO: 347)

QVQLVQSGAEVKKPGASVKVSCKASGYFTSYNMHWVRQAPGQGLEWMGAIYPGNGDTSYNQKFQGRVTITADKSIST
AYMELSSLRSEDTAVYYCARSTYYGGDWYFNVWGAGTLTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVT
VSWNSGALTSGVHTFPAVLQSSGLYSLSSVTVPSSSLGTTQYICNVNHPKSDTKVDKKEPKSCDKTHTCPPCPAPPVAGP
SVFLFPPKPKDTLMISRTPEVTCVVDVVKHEDPEVKFNWYVDGVEVHNAKTKPREEYNSTYRVVSVLTVLHQDWLNGKE
YKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVSGFYPSDIAVEWESDGGQPENNYKTPPVLD
DGSFFLYSKLTVDKSRWEQGDVFSCSVMHEALHNHYTQKSLSLSPGK

HC 2 (scFv-Fc) (SEQ ID NO: 348)

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNHWVRQAPGKGLEWVGRIRSKYNNYATAYADSVKGRFTISRDDSKNT
LYLQMNSLRAEDTAVYYCVRHGNFGDSYVSWFAYWGQGTTLTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTVSP
GGTVTLTCSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCALWY
SNHWVFGGGTKLTVLEPKSSDKTHTCPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVDVVKHEDPEVKFNWYVDG
VEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREQMTKNQ
VKLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSL
SPGK

LC (SEQ ID NO: 349)

QIVLTQSPSSLSASVGDRVTITCRASSSVSYIHWFAQKPGKSPKPLIYATSNLASGVPVRFSGSGSGTDYTLTISSLQPEDFATY
YCQQWTSNPPTFGGGTKVEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPREAKVQWKVDNALQSGNSQESVTEQ
DSKDYSTYLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

Figura 83

XENP15635 Anti-CD20 (C2B8_H1L1) x Anti-CD3 (H1.93_L1.47) Fab-scFv-Fc

HC 1 (Fab-Fc) (SEQ ID NO: 350)

QVQLVQSGAEVKKPGASVKVSCKASGYFTSYNMHWVRQAPGQGLEWMGAIYPGNGDTSYNQKFQGRVTITADKSIST
AYMELSSLRSEDTAVYYCARSTYYGGDWYFNVWGAGTLTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVT
VSWNSGALTSGVHTFPAVLQSSGLYSLSSVTVPSSSLGTTQYICNVNHPKSDTKVDKKEPKSCDKTHTCPPCPAPPVAGP
SVFLFPPKPKDTLMISRTPEVTCVVDVVKHEDPEVKFNWYVDGVEVHNAKTKPREEEYNSTYRVVSVLTVLHQDWLNGKE
YKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVSGFYPSDIAVEWESDGGQPENNYKTPPVLD
DGSFFLYSKLTVDKSRWEQGDVFSCVMHEALHNHYTQKSLSLSPGK

HC 2 (scFv-Fc) (SEQ ID NO: 351)

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNHWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKNT
LYLQMNSLRAEDTAVYYCVRHGNFGESYVSWFAYWGQGLTVTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPLTVSP
GGTVTLTCSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCALWY
SNHWVFGGGTKLTVLEPKSSDKTHTCPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVDVVKHEDPEVKFNWYVDG
VEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREQMTKNQ
VKLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCVMHEALHNHYTQKSLSL
SPGK

LC (SEQ ID NO: 352)

QIVLTQSPSSLSASVGDRVITTCRASSSVSYIHWFAQKPGKSPKPLIYATSNLASGVPVRFSGSGSGTDYTLTISSLQPEDFATY
YCQQWTSNPPTFGGGTKVEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPREAKVQWKVDNALQSGNSQESVTEQ
DSKDYSTYLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

Figura 84

XENP15636 Anti-CD20 (C2B8_H1L1) x Anti-CD3 (H1.94_L1.47) Fab-scFv-Fc

HC 1 (Fab-Fc) (SEQ ID NO: 353)

QVQLVQSGAEVKKPGASVKVSCKASGYFTSYNMHWVRQAPGQGLEWMGAIYPGNGDTSYNQKFQGRVTITADKSIST
AYMELSSLRSEDTAVYYCARSTYYGGDWYFNVWGAGTLTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVT
VSWNSGALTSGVHTFPAVLQSSGLYSLSSVTVPSSSLGTQTYICNVNHKPSDTKVDKKVEPKSCDKTHTCPPCPAPPVAGP
SVFLFPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWYVDGVEVHNAKTKPREEEYNSTYRVVSVLTVLHQDWLNGKE
YKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVSGFYPSDIAVEWESDGGQPENNYKTPPVLD
DGSFFLYSKLTVDKSRWEQGDVFSCSVMEALHNHYTQKSLSLSPGK

HC 2 (scFv-Fc) (SEQ ID NO: 354)

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNHWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKNT
LYLQMNSLRAEDTAVYYCVRHGNFGQSYVSWFAYWGQGTTLTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTVSP
GGTVTLTCSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCALWY
SNHWVFGGGTKLTVLEPKSSDKTHTCPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWYVDG
VEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREQMTKNQ
VKLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMEALHNHYTQKSLSL
SPGK

LC (SEQ ID NO: 355)

QIVLTQSPSSLSASVGDRVITTCRASSSVSYIHWFQQKPGKSPKPLIYATSNLASGVPVRFSGSGSGTDYTLTISSLQPEDFATY
YCQQWTSNPPTFGGGTKVEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPREAKVQWKVDNALQSGNSQESVTEQ
DSKDYSTYLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

Figura 85

XENP15638 Anti-CD20 (C2B8_H1L1) x Anti-CD3 (H1.95_L1.47) Fab-scFv-Fc

HC 1 (Fab-Fc) (SEQ ID NO: 356)

QVQLVQSGAEVKKPGASVKVSCKASGYFTSYNMHWVRQAPGQGLEWMGAIYPGNGDTSYNQKFQGRVTITADKSIST
AYMELSSLRSEDTAVYYCARSTYYGGDWYFNVWGAGTLTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVT
VSWNSGALTSGVHTFPAVLQSSGLYSLSSVTVPSSSLGTQTYICNVNHKPSDTKVDKKVEPKSCDKTHTCPPCPAPPVAGP
SVFLFPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWYVDGVEVHNAKTKPREEYNSTYRVVSVLTVLHQDWLNGKE
YKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVSGFYPSDIAVEWESDGGQPENNYKTPPVLD
DGSFFLYSKLTVDKSRWEQGDVFSCVMHEALHNHYTQKSLSLSPGK

HC 2 (scFv-Fc) (SEQ ID NO: 357)

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNHWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKNT
LYLQMNSLRAEDTAVYYCVRHGNFGDEYVSWFAYWGQGTTLTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTVSP
GGTVTLTCSSTGAVTTSNYANWVQQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCALWY
SNHWVFGGGTKLTVLEPKSSDKTHTCPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWYVDG
VEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREQMTKNQ
VKLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCVMHEALHNHYTQKSLSL
SPGK

LC (SEQ ID NO: 358)

QIVLTQSPSSLSASVGDRVTITCRASSSVSYIHWFQQKPGKSPKPLIYATSNLASGVPVRFSGSGSGTDYTLTISSLQPEDFATY
YCQQWTSNPPTFGGGTKVEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPREAKVQWKVDNALQSGNSQESVTEQ
DSKDYSTYLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

Figura 86

XENP15639 Anti-CD20 (C2B8_H1L1) x Anti-CD3 (H1.96_L1.47) Fab-scFv-Fc

HC 1 (Fab-Fc) (SEQ ID NO: 359)

QVQLVQSGAEVKKPGASVKVSCKASGYTFTSYNMHWVRQAPGQGLEWMGAIYPGNGDTSYNQKFQGRVTITADKSIST
AYMELSSLRSEDTAVYYCARSTYYGGDWYFNVWGAGTLTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVT
VSWNSGALTSGVHTFPAVLQSSGLYSLSSVTVPSSSLGTQTYICNVNHKPSDTKVDKKVEPKSCDKTHTCPPCPAPPVAGP
SVFLFPPKPKDTLMISRTPEVTCVVDVVKHEDPEVKFNWYVDGVEVHNAKTKPREEEYNSTYRVVSVLTVLHQDWLNGKE
YKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVSGFYPSDIAVEWESDGGQPENNYKTPPVLDSD
DGSFFLYSKLTVDKSRWEQGDVFCFSVMHEALHNHYTQKSLSLSPGK

HC 2 (scFv-Fc) (SEQ ID NO: 360)

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNHWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKNT
LYLQMNSLRAEDTAVYYCVRHGNFGDQYVSWFAYWGQGTLLTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTVS
PGGTVTLTCGSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCALW
YSNHWWVFGGGTKLTVLEPKSSDKTHTCPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVDVVKHEDPEVKFNWYVD
GVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREQMTKN
QVKLTCVLKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFCFSVMHEALHNHYTQKSLS
LSPGK

LC (SEQ ID NO: 361)

QIVLTQSPSSLSASVGDRVTITCRASSSVSYIHWFAQKPGKSPKPLIYATSNLASGVPVRFSGSGSGTDYTLTISSLQPEDFATY
YCQQWTSNPPTFGGGTKVEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYFPREAKVQWKVDNALQSGNSQESVTEQ
DSKDYSTYLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

Figura 87

XENP13677 Anti-CD20 (C2B8_H1.202_L1.113) x Anti-CD3 (H1.30_L1.47) Fab-scFv-Fc

HC 1 (Fab-Fc) (SEQ ID NO: 362)

QVQLVQSGAEVKKPGASVKVSCKASGYFTSYNMHWVRQAPGQRLEWMGAIYPGNGATSYSQKFQGRVTITADTSAST
AYMELSSLRSEDTAVYYCARSYYMGGDWYFDVWGAGTLTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVT
VSWNSGALTSGVHTFPAVLQSSGLYSLSSVTVPSSSLGTQTYICNVNHKPSDTKVDKKVEPKSCDKTHTCPPCPAPPVAGP
SVFLFPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWYVDGVEVHNAKTKPREEEYNSTYRVVSVLTVLHQDWLNGKE
YKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVSGFYPSDIAVEWESDGGQPENNYKTPPVLD
DGSFFLYSKLTVDKSRWEQGDVFSCSVMEALHNHYTQKSLSLSPGK

HC 2 (scFv-Fc) (SEQ ID NO: 363)

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNHWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKNT
LYLQMNSLRAEDTAVYYCVRHGNFGDSYVSWFAYWGQGTTLTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTVSP
GGTVTLTCSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCALWY
SNHWVFGGGTKLTVLEPKSSDKTHTCPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWYVDG
VEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREQMTKNQ
VKLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMEALHNHYTQKSLSL
SPGK

LC (SEQ ID NO: 364)

QIVLTQSPSSLSASVGDRVTITCRASWSVSYIHWFAQKPGKSPKPLIYATSNLASGVPVRFSGSGSGTDYTLTISSLQPEDFAT
YYCQQWTHNPPTFGGGTKVEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPREAKVQWKVDNALQSGNSQESVTE
QDSKDSTYLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

Figura 88

XENP14388 Anti-CD20 (C2B8_H1.202_L1.113) x Anti-CD3 (H1.31_L1.47) Fab-scFv-Fc

HC 1 (Fab-Fc) (SEQ ID NO: 365)

QVQLVQSGAEVKKPGASVKVSCKASGYTFTSYNMHWVRQAPGQRLEWMGAIYPGNGATSYSQKFQGRVTITADTSAST
AYMELSSLRSEDTAVYYCARSYYMGGDWYFDVWGAGTLTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVT
VSWNSGALTSGVHTFPAVLQSSGLYSLSSVTVPSSSLGTTQYICNVNHPKSDTKVDKKEPKSCDKTHTCPPCPAPPVAGP
SVFLFPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWYVDGVEVHNAKTKPREEEYNSTYRVVSVLTVLHQDWLNGKE
YKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVSGFYPSDIAVEWESDGGQPENNYKTPPVLD
DGSFFLYSKLTVDKSRWEQGDVFCFSVMHEALHNHYTQKSLSLSPGK

HC 2 (scFv-Fc) (SEQ ID NO: 366)

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMSWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKNT
LYLQMNSLRAEDTAVYYCVRHGNFGDSYVSWFAYWGQGTLLTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTVSP
GGTVTLTCSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCALWY
SNHWVFGGGTKLTVLEPKSSDKTHTCPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWYVDG
VEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREQMTKNQ
VKLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCFSVMHEALHNHYTQKSLSL
SPGK

LC (SEQ ID NO: 367)

QIVLTQSPSSLSASVGDRTITCRASWSVSYIHWFAQKPGKSPKPLIYATSNLASGVPVRFSGSGSGTDYTLTISSLQPEDFAT
YYCQQWTHNPPTFGGGTKVEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPREAKVQWKVDNALQSGNSQESVTE
QDSKDSSTLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

Figura 89

XENP14389 Anti-CD20 (C2B8_H1.202_L1.113) x Anti-CD3 (H1.32_L1.47) Fab-scFv-Fc

HC 1 (Fab-Fc) (SEQ ID NO: 368)

QVQLVQSGAEVKKPGASVKVSCKASGYTFTSYNMHWVRQAPGQRLEWMGAIYPGNGATSYSQKFQGRVTITADTSAST
AYMELSSLRSEDTAVYYCARSYYMGGDWYFDVWGAGTLTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVT
VSWNSGALTSGVHTFPAVLQSSGLYSLSSVTVPSSSLGTTQYICNVNHPKSDTKVDKKEPKSCDKTHTCPPCPAPPVAGP
SVFLFPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWYVDGVEVHNAKTKPREEEYNSTYRVVSVLTVLHQDWLNGKE
YKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVSGFYPSDIAVEWESDGGQPENNYKTPPVLD
DGSFFLYSKLTVDKSRWEQGDVFSCSVMEALHNHYTQKSLSLSPGK

HC 2 (scFv-Fc) (SEQ ID NO: 369)

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNHWVRQAPGKGLEWVGRIRSKANNYATYYADSVKGRFTISRDDSKNT
LYLQMNSLRAEDTAVYYCVRHGNFGDSYVSWFAYWGQGTLLTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTVSP
GGTVTLTCGSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCALWY
SNHWVFGGGTKLTVLEPKSSDKTHTCPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWYVDG
VEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREQMTKNQ
VKLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMEALHNHYTQKSLSL
SPGK

LC (SEQ ID NO: 370)

QIVLTQSPSSLSASVGDRVTITCRASWSVSYIHWFAQKPGKSPKPLIYATSNLASGVPVRFSGSGSGTDYTLTISSLQPEDFAT
YYCQQWTHNPPTFGGGTKVEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPREAKVQWKVDNALQSGNSQESVTE
QDSKDSSTLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

Figura 90

XENP14390 Anti-CD20 (C2B8_H1.202_L1.113) x Anti-CD3 (H1.33_L1.47) Fab-scFv-Fc

HC 1 (Fab-Fc) (SEQ ID NO: 371)

QVQLVQSGAEVKKPGASVKVSCKASGYTFTSYNMHWVRQAPGQRLEWMGAIYPGNGATSYSQKFQGRVTITADTSAST
AYMELSSLRSEDTAVYYCARSYYMGGDWYFDVWGAGTLTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVT
VSWNSGALTSGVHTFPAVLQSSGLYSLSSVTVPSSSLGTTQYICNVNHPKSDTKVDKKEPKSCDKTHTCPPCPAPPVAGP
SVFLFPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWYVDGVEVHNAKTKPREEEYNSTYRVVSVLTVLHQDWLNGKE
YKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVSGFYPSDIAVEWESDGGQPENNYKTPPVLD
DGSFFLYSKLTVDKSRWEQGDVFCSCVMHEALHNHYTQKSLSLSPGK

HC 2 (scFv-Fc) (SEQ ID NO: 372)

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNHWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKNT
LYLQMNSLRSEDTAVYYCVRHGNFGDSYVSWFDYWGQGTLLTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTVSP
GGTVTLTCSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCALWY
SNHWVFGGGTKLTVLEPKSSDKTHTCPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWYVDG
VEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREQMTKNQ
VKLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCVMHEALHNHYTQKSLSL
SPGK

LC (SEQ ID NO: 373)

QIVLTQSPSSLSASVGDRVTITCRASWSVSYIHWFAQKPGKSPKPLIYATSNLASGVPVRFSGSGSGTDYTLTISSLQPEDFAT
YYCQQWTHNPPTFGGGTKVEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPREAKVQWKVDNALQSGNSQESVTE
QDSKDSSTLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

Figura 91

XENP14391 Anti-CD20 (C2B8_H1.202_L1.113) x Anti-CD3 (H1.88_L1.47) Fab-scFv-Fc

HC 1 (Fab-Fc) (SEQ ID NO: 374)

QVQLVQSGAEVKKPGASVKVSCKASGYTFTSYNMHWVRQAPGQRLEWMGAIYPGNGATSYSQKFQGRVTITADTSAST
AYMELSSLRSEDTAVYYCARSYYMGGDWYFDVWGAGTLTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVT
VSWNSGALTSGVHTFPAVLQSSGLYSLSSVTVPSSSLGTQTYICNVNHKPSDTKVDKKVEPKSCDKTHTCPPCPAPPVAGP
SVFLFPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWYVDGVEVHNAKTKPREEEYNSTYRVVSVLTVLHQDWLNGKE
YKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVSGFYPSDIAVEWESDGGQPENNYKTPPVLD
DGSFFLYSKLTVDKSRWEQGDVFSCSVMEALHNHYTQKSLSLSPGK

HC 2 (scFv-Fc) (SEQ ID NO: 375)

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNHWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKNT
LYLQMNSLRAEDTAVYYCVRHGNFGPSYVSWFAYWGQGTLLTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTVSP
GGTVTLTCSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCALWY
SNHWVFGGGTKLTVLEPKSSDKTHTCPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWYVDG
VEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREQMTKNQ
VKLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMEALHNHYTQKSLSL
SPGK

LC (SEQ ID NO: 376)

QIVLTQSPSSLSASVGDRVTITCRASWSVSYIHWFAQKPGKSPKPLIYATSNLASGVPVRFSGSGSGTDYTLTISSLQPEDFAT
YYCQQWTHNPPTFGGGTKVEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPREAKVQWKVDNALQSGNSQESVTE
QDSKDSTYLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

Figura 92

XENP14392 Anti-CD20 (C2B8_H1.202_L1.113) x Anti-CD3 (H1.89_L1.47) Fab-scFv-Fc

HC 1 (Fab-Fc) (SEQ ID NO: 377)

QVQLVQSGAEVKKPGASVKVSCKASGYTFTSYNMHWVRQAPGQRLEWMGAIYPGNGATSYSQKFQGRVTITADTSAST
AYMELSSLRSEDTAVYYCARSYYMGGDWYFDVWGAGTLTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVT
VSWNSGALTSGVHTFPAVLQSSGLYSLSSVTVPSSSLGTQTYICNVNHKPSDTKVDKKVEPKSCDKTHTCPPCPAPPVAGP
SVFLFPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWYVDGVEVHNAKTKPREEEYNSTYRVVSVLTVLHQDWLNGKE
YKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVSGFYPSDIAVEWESDGGQPENNYKTPPVLD
DGSFFLYSKLTVDKSRWEQGDVFSCSVMEALHNHYTQKSLSLSPGK

HC 2 (scFv-Fc) (SEQ ID NO: 378)

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNHWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKNT
LYLQMNSLRAEDTAVYYCVRHGNFGDEYVSWFAYWGQGTLLTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTVSP
GGTVTLTCSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCALWY
SNHWVFGGGTKLTVLEPKSSDKTHTCPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWYVDG
VEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREQMTKNQ
VKLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMEALHNHYTQKSLSL
SPGK

LC (SEQ ID NO: 379)

QIVLTQSPSSLSASVGDRTITCRASWSVSYIHWFAQKPGKSPKPLIYATSNLASGVPVRFSGSGSGTDYTLTISSLQPEDFAT
YYCQQWTHNPPTFGGGTKVEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPREAKVQWKVDNALQSGNSQESVTE
QDSKDSTYLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

Figura 93

XENP14393 Anti-CD20 (C2B8_H1.202_L1.113) x Anti-CD3 (H1.90_L1.47) Fab-scFv-Fc

HC 1 (Fab-Fc) (SEQ ID NO: 380)

QVQLVQSGAEVKKPGASVKVSCKASGYTFTSYNMHWVRQAPGQRLEWMGAIYPGNGATSYSQKFQGRVTITADTSAST
AYMELSSLRSEDTAVYYCARSYYMGGDWYFDVWGAGTLTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVT
VSWNSGALTSGVHTFPAVLQSSGLYSLSSVTVPSSSLGTQTYICNVNHKPSDTKVDKKVEPKSCDKTHTCPPCPAPPVAGP
SVFLFPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWYVDGVEVHNAKTKPREEEYNSTYRVVSVLTVLHQDWLNGKE
YKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVSGFYPSDIAVEWESDGGQPENNYKTPPVLDS
DGSFFLYSKLTVDKSRWEQGDVFSCSVMEALHNHYTQKSLSLSPGK

HC 2 (scFv-Fc) (SEQ ID NO: 381)

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNHWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKNT
LYLQMNSLRAEDTAVYYCVRHGNFGDPYVSWFAYWGQGTLLTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTVSP
GGTVTLTCSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCALWY
SNHWVFGGGTKLTVLEPKSSDKTHTCPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWYVDG
VEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREQMTKNQ
VKLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLSDGSFFLYSKLTVDKSRWQQGNVFSCSVMEALHNHYTQKSLSL
SPGK

LC (SEQ ID NO: 382)

QIVLTQSPSSLSASVGDRTITCRASWSVSYIHWFAQKPGKSPKPLIYATSNLASGVVPRFSGSGSGTDYTLTISSLQPEDFAT
YYCQQWTHNPPTFGGGTKVEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPREAKVQWKVDNALQSGNSQESVTE
QDSKDSTYLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

Figura 94

XENP16366 Anti-CD20 (C2B8_H1.202_L1.113) x Anti-CD3 (H1.98_L1.47) Fab-scFv-Fc

HC 1 (Fab-Fc) (SEQ ID NO: 383)

QVQLVQSGAEVKKPGASVKVSCKASGYTFTSYNMHWVRQAPGQRLEWMGAIYPGNGATSYSQKFQGRVTITADTSAST
AYMELSSLRSEDTAVYYCARSYYMGGDWYFDVWGAGTLTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVT
VSWNSGALTSGVHTFPAVLQSSGLYSLSSVTVPSSSLGTQTYICNVNHKPSDTKVDKKEPKSCDKTHTCPPCPAPPVAGP
SVFLFPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWYVDGVEVHNAKTKPREEEYNSTYRVVSVLTVLHQDWLNGKE
YKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVSGFYPSDIAVEWESDGGQPENNYKTPPVLDS
DGSFFLYSKLTVDKSRWEQGDVFSCSVMHEALHNHYTQKSLSLSPGK

HC 2 (scFv-Fc) (SEQ ID NO: 384)

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNHWVRQAPGKGLEWVGRIRSKANNYATYYADSVKGRFTISRDDSKNT
LYLQMNSLRAEDTAVYYCVRHGNFGDSYVSWFDYWGQGTTLTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTVSP
GGTVTLTCGSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCALWY
SNHWVFGGGTKLTVLEPKSSDKTHTCPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWYVDG
VEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREQMTKNQ
VKLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSL
SPGK

LC (SEQ ID NO: 385)

QIVLTQSPSSLSASVGDRTITCRASWSVSYIHWFAQKPGKSPKPLIYATSNLASGVPVRFSGSGSGTDYTLTISSLQPEDFAT
YYCQQWTHNPPTFGGGTKVEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPREAKVQWKVDNALQSGNSQESVTE
QDSKDSTYLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

Figura 95

XENP16367 Anti-CD20 (C2B8_H1.202_L1.113) x Anti-CD3 (H1.99_L1.47) Fab-scFv-Fc

HC 1 (Fab-Fc) (SEQ ID NO: 386)

QVQLVQSGAEVKKPGASVKVSCKASGYTFTSYNMHWVRQAPGQRLEWMGAIYPGNGATSYSQKFQGRVTITADTSAST
AYMELSSLRSEDTAVYYCARSYYMGGDWYFDVWGAGTLTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVT
VSWNSGALTSGVHTFPAVLQSSGLYSLSSVTVPSSSLGTTQYICNVNHPKSDTKVDKKEPKSCDKTHTCPPCPAPPVAGP
SVFLFPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWYVDGVEVHNAKTKPREEEYNSTYRVVSVLTVLHQDWLNGKE
YKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVSGFYPSDIAVEWESDGGQPENNYKTPPVLD
DGSFFLYSKLTVDKSRWEQGDVFCFSVMHEALHNHYTQKSLSLSPGK

HC 2 (scFv-Fc) (SEQ ID NO: 387)

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNHWVRQAPGKGLEWVGRIRSKYNNYATAYADSVKGRFTISRDDSKNT
LYLQMNSLRSEDTAVYYCVRHGNFGDSYVSWFDYWGQGTLLTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTVSP
GGTVTLTCSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCALWY
SNHWVFGGGTKLTVLEPKSSDKTHTCPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWYVDG
VEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREQMTKNQ
VKLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCFSVMHEALHNHYTQKSLSL
SPGK

LC (SEQ ID NO: 388)

QIVLTQSPSSLSASVGDRTITCRASWSVSYIHWFAQKPGKSPKPLIYATSNLASGVPVRFSGSGSGTDYTLTISSLQPEDFAT
YYCQQWTHNPPTFGGGTKVEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPREAKVQWKVDNALQSGNSQESVTE
QDSKDSSTLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

Figura 96

XENP16368 Anti-CD20 (C2B8_H1.202_L1.113) x Anti-CD3 (H1.100_L1.47) Fab-scFv-Fc

HC 1 (Fab-Fc) (SEQ ID NO: 389)

QVQLVQSGAEVKKPGASVKVSCKASGYTFTSYNMHWVRQAPGQRLEWMGAIYPGNGATSYSQKFQGRVTITADTSAST
AYMELSSLRSEDTAVYYCARSYYMGGDWYFDVWGAGTLTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVT
VSWNSGALTSGVHTFPAVLQSSGLYSLSSVTVPSSSLGTQTYICNVNHKPSDTKVDKKVEPKSCDKTHTCPPCPAPPVAGP
SVFLFPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWYVDGVEVHNAKTKPREEEYNSTYRVVSVLTVLHQDWLNGKE
YKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVSGFYPSDIAVEWESDGGQPENNYKTPPVLD
DGSFFLYSKLTVDKSRWEQGDVFSCSVMEALHNHYTQKSLSLSPGK

HC 2 (scFv-Fc) (SEQ ID NO: 390)

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNHWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKNT
LYLQMNSLRAEDTAVYYCVRHGNFGASYVSWFDYWGQGTTLTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTVSP
GGTVTLTCSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCALWY
SNHWVFGGGTKLTVLEPKSSDKTHTCPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWYVDG
VEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREQMTKNQ
VKLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMEALHNHYTQKSLSL
SPGK

LC (SEQ ID NO: 391)

QIVLTQSPSSLSASVGDRVTITCRASWSVSYIHWFAQKPGKSPKPLIYATSNLASGVPVRFSGSGSGTDYTLTISSLQPEDFAT
YYCQQWTHNPPTFGGGTKVEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPREAKVQWKVDNALQSGNSQESVTE
QDSKDSSTLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

Figura 97

XENP16369 Anti-CD20 (C2B8_H1.202_L1.113) x Anti-CD3 (H1.101_L1.47) Fab-scFv-Fc

HC 1 (Fab-Fc) (SEQ ID NO: 392)

QVQLVQSGAEVKKPGASVKVSCKASGYTFTSYNMHWVRQAPGQRLEWMGAIYPGNGATSYSQKFQGRVTITADTSAST
AYMELSSLRSEDTAVYYCARSYYMGGDWYFDVWGAGTLTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVT
VSWNSGALTSGVHTFPAVLQSSGLYSLSSVTVPSSSLGTQTYICNVNHKPSDTKVDKKVEPKSCDKTHTCPPCPAPPVAGP
SVFLFPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWYVDGVEVHNAKTKPREEEYNSTYRVVSVLTVLHQDWLNGKE
YKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVSGFYPSDIAVEWESDGGQPENNYKTPPVLDS
DGSFFLYSKLTVDKSRWEQGDVFCFSVMHEALHNHYTQKSLSLSPGK

HC 2 (scFv-Fc) (SEQ ID NO: 393)

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNHWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKNT
LYLQMNSLRSEDTAVYYCVRHGNFGQSYVSWFDYWGQGTLLTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTVSP
GGTVTLTCSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCALWY
SNHWVFGGGTKLTVLEPKSSDKTHTCPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWYVDG
VEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREQMTKNQ
VKLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLSDGSFFLYSKLTVDKSRWQQGNVFCFSVMHEALHNHYTQKSLSL
SPGK

LC (SEQ ID NO: 394)

QIVLTQSPSSLSASVGDRVTITCRASWSVSYIHWFAQKPGKSPKPLIYATSNLASGVPVRFSGSGSGTDYTLTISSLQPEDFAT
YYCQQWTHNPPTFGGGTKVEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPREAKVQWKVDNALQSGNSQESVTE
QDSKDYSTYLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

Figura 98

XENP16370 Anti-CD20 (C2B8_H1.202_L1.113) x Anti-CD3 (H1.102_L1.47) Fab-scFv-Fc

HC 1 (Fab-Fc) (SEQ ID NO: 395)

QVQLVQSGAEVKKPGASVKVSCKASGYFTSYNMHWVRQAPGQRLEWMGAIYPGNGATSYSQKFQGRVTITADTSAST
AYMELSSLRSEDTAVYYCARSYYMGGDWYFDVWGAGTLTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVT
VSWNSGALTSGVHTFPAVLQSSGLYSLSSVTVPSSSLGTQTYICNVNHKPSDTKVDKKVEPKSCDKTHTCPPCPAPPVAGP
SVFLFPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWYVDGVEVHNAKTKPREEEYNSTYRVVSVLTVLHQDWLNGKE
YKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVSGFYPSDIAVEWESDGGQPENNYKTPPVLDS
DGSFFLYSKLTVDKSRWEQGDVFCFSVMHEALHNHYTQKSLSLSPGK

HC 2 (scFv-Fc) (SEQ ID NO: 396)

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNHWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKNT
LYLQMNSLRAEDTAVYYCVRHGNFGDEYVSWFDYWGQGTLLTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTVSP
GGTVTLTCSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCALWY
SNHWVFGGGTKLTVLEPKSSDKTHTCPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWYVDG
VEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREQMTKNQ
VKLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLSDGSFFLYSKLTVDKSRWQQGNVFSCFSVMHEALHNHYTQKSLSL
SPGK

LC (SEQ ID NO: 397)

QIVLTQSPSSLSASVGDRTITCRASWSVSYIHWFAQKPGKSPKPLIYATSNLASGVPVRFSGSGSGTDYTLTISSLQPEDFAT
YYCQQWTHNPPTFGGGTKVEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPREAKVQWKVDNALQSGNSQESVTE
QDSKDSTYLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

Figura 99

XENP16371 Anti-CD20 (C2B8_H1.202_L1.113) x Anti-CD3 (H1.103_L1.47) Fab-scFv-Fc

HC 1 (Fab-Fc) (SEQ ID NO: 398)

QVQLVQSGAEVKKPGASVKVSCKASGYTFTSYNMHWVRQAPGQRLEWMGAIYPGNGATSYSQKFQGRVTITADTSAST
AYMELSSLRSEDTAVYYCARSYYMGGDWYFDVWGAGTLTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVT
VSWNSGALTSGVHTFPAVLQSSGLYSLSSVTVPSSSLGTQTYICNVNHKPSDTKVDKKVEPKSCDKTHTCPPCPAPPVAGP
SVFLFPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWYVDGVEVHNAKTKPREEEYNSTYRVVSVLTVLHQDWLNGKE
YKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVSGFYPSDIAVEWESDGGQPENNYKTPPVLD
DGSFFLYSKLTVDKSRWEQGDVFSCSVMEALHNHYTQKSLSLSPGK

HC 2 (scFv-Fc) (SEQ ID NO: 399)

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNHWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKNT
LYLQMNSLRAEDTAVYYCVRHGNFGDNYVSWFDYWGGTLTVSSGKPGSGKPGSGKPGSQAVVTQEPSLTVS
PGGTVTLTCGSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCALW
YSNHWVFGGGTKLTVLEPKSSDKTHTCPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWYVD
GVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREQMTKN
QVKLTCVLKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMEALHNHYTQKS
LSLSPGK

LC (SEQ ID NO: 400)

QIVLTQSPSSLSASVGDRVTITCRASWSVSIHWFAQKPGKSPKPLIYATSNLASGVPVRFSGSGSGTDYTLTISSLQPEDFAT
YYCQQWTHNPPTFGGGTKVEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPREAKVQWKVDNALQSGNSQESVTE
QDSKDSTYLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

Figura 100

XENP16372 Anti-CD20 (C2B8_H1.202_L1.113) x Anti-CD3 (H1.104_L1.47) Fab-scFv-Fc

HC 1 (Fab-Fc) (SEQ ID NO: 401)

QVQLVQSGAEVKKPGASVKVSCKASGYTFTSYNMHWVRQAPGQRLEWMGAIYPGNGATSYSQKFQGRVTITADTSAST
AYMELSSLRSEDTAVYYCARSYYMGGDWYFDVWGAGTLTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVT
VSWNSGALTSGVHTFPAVLQSSGLYSLSSVTVPSSSLGTQTYICNVNHKPSDTKVDKKVEPKSCDKTHTCPPCPAPPVAGP
SVFLFPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWYVDGVEVHNAKTKPREEEYNSTYRVVSVLTVLHQDWLNGKE
YKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVSGFYPSDIAVEWESDGGQPENNYKTPPVLD
DGSFFLYSKLTVDKSRWEQGDVFSCSVMEALHNHYTQKSLSLSPGK

HC 2 (scFv-Fc) (SEQ ID NO: 402)

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNHWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKNT
LYLQMNSLRAEDTAVYYCVRHGNFGDPYVSWFDYWGQGTLLTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTVSP
GGTVTLTCSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCALWY
SNHWVFGGGTKLTVLEPKSSDKTHTCPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWYVDG
VEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREQMTKNQ
VKLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMEALHNHYTQKSLSL
SPGK

LC (SEQ ID NO: 403)

QIVLTQSPSSLSASVGDRVTITCRASWSVSYIHWFAQKPGKSPKPLIYATSNLASGVPVRFSGSGSGTDYTLTISSLQPEDFAT
YYCQQWTHNPPTFGGGTKVEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPREAKVQWKVDNALQSGNSQESVTE
QDSKSTYLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

Figura 101

XENP16373 Anti-CD20 (C2B8_H1.202_L1.113) x Anti-CD3 (H1.105_L1.47) Fab-scFv-Fc

HC 1 (Fab-Fc) (SEQ ID NO: 404)

QVQLVQSGAEVKKPGASVKVSCKASGYTFTSYNMHWVRQAPGQRLEWMGAIYPGNGATSYSQKFQGRVTITADTSAST
AYMELSSLRSEDTAVYYCARSYYMGGDWYFDVWGAGTLTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVT
VSWNSGALTSGVHTFPAVLQSSGLYSLSSVTVPSSSLGTQTYICNVNHKPSDTKVDKKVEPKSCDKTHTCPPCPAPPVAGP
SVFLFPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWYVDGVEVHNAKTKPREEEYNSTYRVVSVLTVLHQDWLNGKE
YKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVSGFYPSDIAVEWESDGGQPENNYKTPPVLD
DGSFFLYSKLTVDKSRWEQGDVFSCSVMEALHNHYTQKSLSLSPGK

HC 2 (scFv-Fc) (SEQ ID NO: 405)

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNHWVRQAPGKGLEWVGRIRSKYNNYATYYADSVKGRFTISRDDSKNT
LYLQMNSLRAEDTAVYYCVRHGNFGDQYVSWFDYWGGTLTVSSGKPGSGKPGSGKPGSQAVVTQEPSLTVS
PGGTVTLTCGSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCALW
YSNHWVFGGGTKLTVLEPKSSDKTHTCPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWYVD
GVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREQMTKN
QVKLTCVLKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMEALHNHYTQKS
LSLSPGK

LC (SEQ ID NO: 406)

QIVLTQSPSSLSASVGDRVTITCRASWSVSIHWFAQKPGKSPKPLIYATSNLASGVPVRFSGSGSGTDYTLTISSLQPEDFAT
YYCQQWTHNPPTFGGGTKVEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPREAKVQWKVDNALQSGNSQESVTE
QDSKDSTYLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

Figura 102

XENP16374 Anti-CD20 (C2B8_H1.202_L1.113) x Anti-CD3 (H1.106_L1.47) Fab-scFv-Fc

HC 1 (Fab-Fc) (SEQ ID NO: 407)

QVQLVQSGAEVKKPGASVKVSCKASGYFTSYNMHWVRQAPGQRLEWMGAIYPGNGATSYSQKFQGRVTITADTSAST
AYMELSSLRSEDTAVYYCARSYYMGGDWYFDVWGAGTLTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVT
VSWNSGALTSGVHTFPAVLQSSGLYSLSSVTVPSSSLGTQTYICNVNHKPSDTKVDKKVEPKSCDKTHTCPPCPAPPVAGP
SVFLFPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWYVDGVEVHNAKTKPREEEYNSTYRVVSVLTVLHQDWLNGKE
YKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVSGFYPSDIAVEWESDGGQPENNYKTPPVLD
DGSFFLYSKLTVDKSRWEQGDVFSCSVMEALHNHYTQKSLSLSPGK

HC 2 (scFv-Fc) (SEQ ID NO: 408)

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNHWVRQAPGKGLEWVGRIRSKANNYATAYADSVKGRFTISRDDSKNT
LYLQMNSLRAEDTAVYYCVRHGNFGDSYVSWFAYWGQGTLLTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTVSP
GGTVTLTCGSSTGAVTTSNYANWVQQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCALWY
SNHWVFGGGTKLTVLEPKSSDKTHTCPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWYVDG
VEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREQMTKNQ
VKLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMEALHNHYTQKSLSL
SPGK

LC (SEQ ID NO: 409)

QIVLTQSPSSLSASVGDRVTITCRASWSVSYIHWFAQKPGKSPKPLIYATSNLASGVPVRFSGSGSGTDYTLTISSLQPEDFAT
YYCQQWTHNPPTFGGGTKVEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPREAKVQWKVDNALQSGNSQESVTE
QDSKDYSTYLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

Figura 103

XENP16375 Anti-CD20 (C2B8_H1.202_L1.113) x Anti-CD3 (H1.107_L1.47) Fab-scFv-Fc

HC 1 (Fab-Fc) (SEQ ID NO: 410)

QVQLVQSGAEVKKPGASVKVSCKASGYTFTSYNMHWVRQAPGQRLEWMGAIYPGNGATSYSQKFQGRVTITADTSAST
AYMELSSLRSEDTAVYYCARSYYMGGDWYFDVWGAGTLTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVT
VSWNSGALTSGVHTFPAVLQSSGLYSLSSVTVPSSSLGTQTYICNVNHKPSDTKVDKKVEPKSCDKTHTCPPCPAPPVAGP
SVFLFPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWYVDGVEVHNAKTKPREEEYNSTYRVVSVLTVLHQDWLNGKE
YKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVSGFYPSDIAVEWESDGGQPENNYKTPPVLDS
DGSFFLYSKLTVDKSRWEQGDVFCFSVMHEALHNHYTQKSLSLSPGK

HC 2 (scFv-Fc) (SEQ ID NO: 411)

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNHWVRQAPGKGLEWVGRIRSKANNYATAYADSVKGRFTISRDDSKNT
LYLQMNSLRAEDTAVYYCVRHGNFGASYVSWFAYWGQGTLLTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTVSP
GGTVTLTCGSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCALWY
SNHWVFGGGTKLTVLEPKSSDKTHTCPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWYVDG
VEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREQMTKNQ
VKLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLSDGSFFLYSKLTVDKSRWQQGNVFSCFSVMHEALHNHYTQKSLSL
SPGK

LC (SEQ ID NO: 412)

QIVLTQSPSSLSASVGDRVTITCRASWSVSYIHWFAQKPGKSPKPLIYATSNLASGVPVRFSGSGSGTDYTLTISSLQPEDFAT
YYCQQWTHNPPTFGGGTKVEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPREAKVQWKVDNALQSGNSQESVTE
QDSKDYSTYLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

Figura 104

XENP16376 Anti-CD20 (C2B8_H1.202_L1.113) x Anti-CD3 (H1.108_L1.47) Fab-scFv-Fc

HC 1 (Fab-Fc) (SEQ ID NO: 413)

QVQLVQSGAEVKKPGASVKVSCKASGYTFTSYNMHWVRQAPGQRLEWMGAIYPGNGATSYSQKFQGRVTITADTSAST
AYMELSSLRSEDTAVYYCARSYYMGGDWYFDVWGAGTLTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVT
VSWNSGALTSGVHTFPAVLQSSGLYSLSSVTVPSSSLGTQTYICNVNHKPSDTKVDKKVEPKSCDKTHTCPPCPAPPVAGP
SVFLFPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWYVDGVEVHNAKTKPREEEYNSTYRVVSVLTVLHQDWLNGKE
YKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVSGFYPSDIAVEWESDGGQPENNYKTPPVLDS
DGSFFLYSKLTVDKSRWEQGDVFSCSVMEALHNHYTQKSLSLSPGK

HC 2 (scFv-Fc) (SEQ ID NO: 414)

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNHWVRQAPGKGLEWVGRIRSKANNYATAYADSVKGRFTISRDDSKNT
LYLQMNSLRAEDTAVYYCVRHGNFGQSYVSWFAYWGQGTLLTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTVSP
GGTVTLTCGSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCALWY
SNHWVFGGGTKLTVLEPKSSDKTHTCPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWYVDG
VEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREQMTKNQ
VKLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLSDGSFFLYSKLTVDKSRWQQGNVFSCSVMEALHNHYTQKSLSL
SPGK

LC (SEQ ID NO: 415)

QIVLTQSPSSLSASVGDRVTITCRASWSVSYIHWFAQKPGKSPKPLIYATSNLASGVPVRFSGSGSGTDYTLTISSLQPEDFAT
YYCQQWTHNPPTFGGGTKVEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPREAKVQWKVDNALQSGNSQESVTE
QDSKDYSTYLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

Figura 105

Anti-CD20 (C2B8_H1.202_L1.113) x Anti-CD3 (H1.109_L1.47) Fab-scFv-Fc

HC 1 (Fab-Fc) (SEQ ID NO: 416)

QVQLVQSGAEVKKPGASVKVSCKASGYTFTSYNMHWVRQAPGQRLEWMGAIYPGNGATSYSQKFQGRVTITADTSAST
AYMELSSLRSEDTAVYYCARSYYMGGDWYFDVWGAGTLTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVT
VSWNSGALTSGVHTFPAVLQSSGLYSLSSVTVPSSSLGTQTYICNVNHKPSDTKVDKKVEPKSCDKTHTCPPCPAPPVAGP
SVFLFPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWYVDGVEVHNAKTKPREEEYNSTYRVVSVLTVLHQDWLNGKE
YKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCDVSGFYPSDIAVEWESDGGQPENNYKTPPVLD
DGSFFLYSKLTVDKSRWEQGDVFSCSVMEALHNHYTQKSLSLSPGK

HC 2 (scFv-Fc) (SEQ ID NO: 417)

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYAMNHWVRQAPGKGLEWVGRIRSKANNYATAYADSVKGRFTISRDDSKNT
LYLQMNSLRAEDTAVYYCVRHGNFGDSYVSWFDYWGQGTLLTVSSGKPGSGKPGSGKPGSGKPGSQAVVTQEPSLTVSP
GGTVTLTCGSSTGAVTTSNYANWVQKPGKSPRGLIGGTNKRAPGVPARFSGSLLGGKAALTISGAQPEDEADYYCALWY
SNHWVFGGGTKLTVLEPKSSDKTHTCPPCPAPPVAGPSVFLFPPKPKDTLMISRTPEVTCVVDVKHEDPEVKFNWYVDG
VEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREQMTKNQ
VKLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMEALHNHYTQKSLSL
SPGK

LC (SEQ ID NO: 418)

QIVLTQSPSSLSASVGDRVTITCRASWSVSYIHWFAQKPGKSPKPLIYATSNLASGVPVRFSGSGSGTDYTLTISSLQPEDFAT
YYCQQWTHNPPTFGGGTKVEIKRTVAAPSVFIFPPSDEQLKSGTASVCLLNNFYPREAKVQWKVDNALQSGNSQESVTE
QDSKDSSTLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

Figura 106

>sp/P11836/CD20_HUMAN antígeno CD20 de linfocito B

SEQ ID NO: 419

MTTPRNSVNGTFPAEPMKGPIAMQSGPKPLFRRMSSLVGPTQSFFMRESKTLGAVQIMNG
LFHIALGGLLMIPAGIYAPICVTWYPLWGGIMYIISGSLLAATEKNSRKCLVKGKMIMN
SLSLFAAISGMILSIMDILNIKISHFLKMESLNFIRAHTPYINIYNCEPANPSEKN5PST
QYCYSIQSLFLGILSVMLIFAFFQELVIAGIVENEWKRTCSRPKSNIVLLSAEEKKEQT
EIKKEVVGLTETSSQPKNEEDIEIPIQEEEEETETNFPEPPQDQESSPIENDSSP

>sp/P26951 | IL3RA__HUMAN subunidad alfa del receptor de interleucina 3 (CD123)

SEQ ID NO: 420

MVLLWLTLLLIAPCLLQTKEDPNPPITNLRMKAKAQLTWDLNRNVTDIECVKDADYSM
PAVNNSYCQFGAISLCEVTNYTVRVANPPFSTWILFPENSGKPWAGAENLTCWIHDVDFL
SCSWAVGPGAPADVQYDLYLNVANRRQYECLEHYKTDAGTRIGCRFDDISRLSSGSQSS
HILVRGRSAAFGIPCTDKFVVSQIEILTPPNMTAKCNKTHSFMHWKMRSHFNKFRYEL
QIQKRMQPVITEQVRDRTSFQLNPGTYTVQIRARERVYEFSAWSTPQRFECDOEEGAN
TRAWRTSLLIAGTLLALVCVFVICRRYLVMQRLFPRIIPMKDPIGDSFQNDKLVVWEAG
KAGLEECLVTEVQVQKT

Figura 107

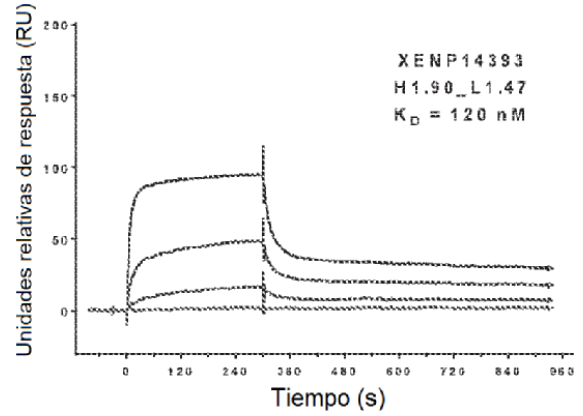
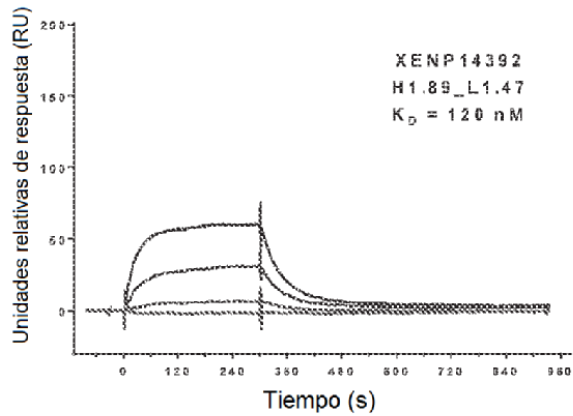
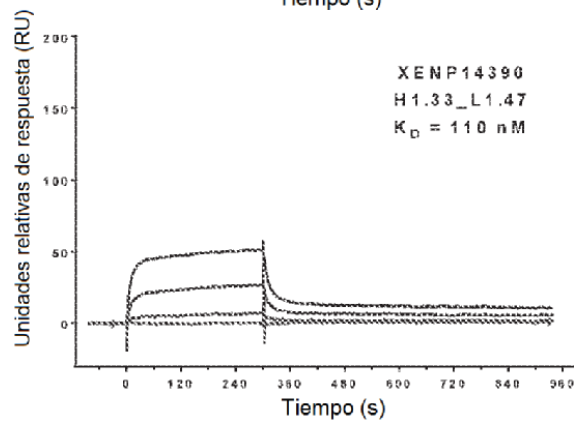
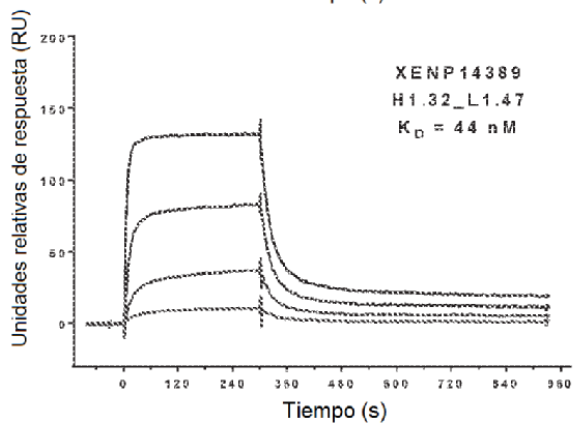
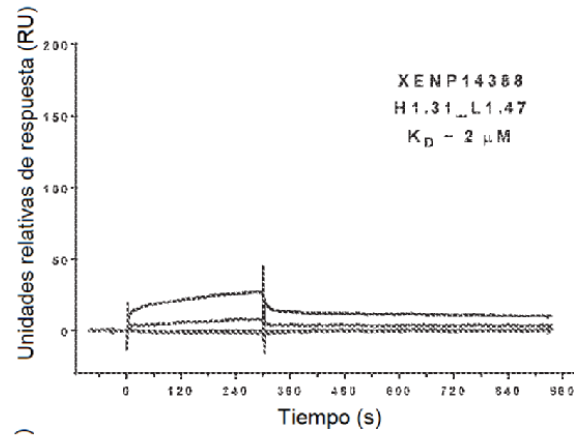
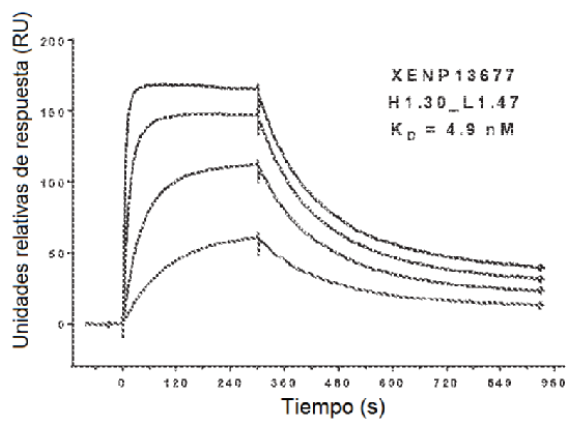


Figura 108

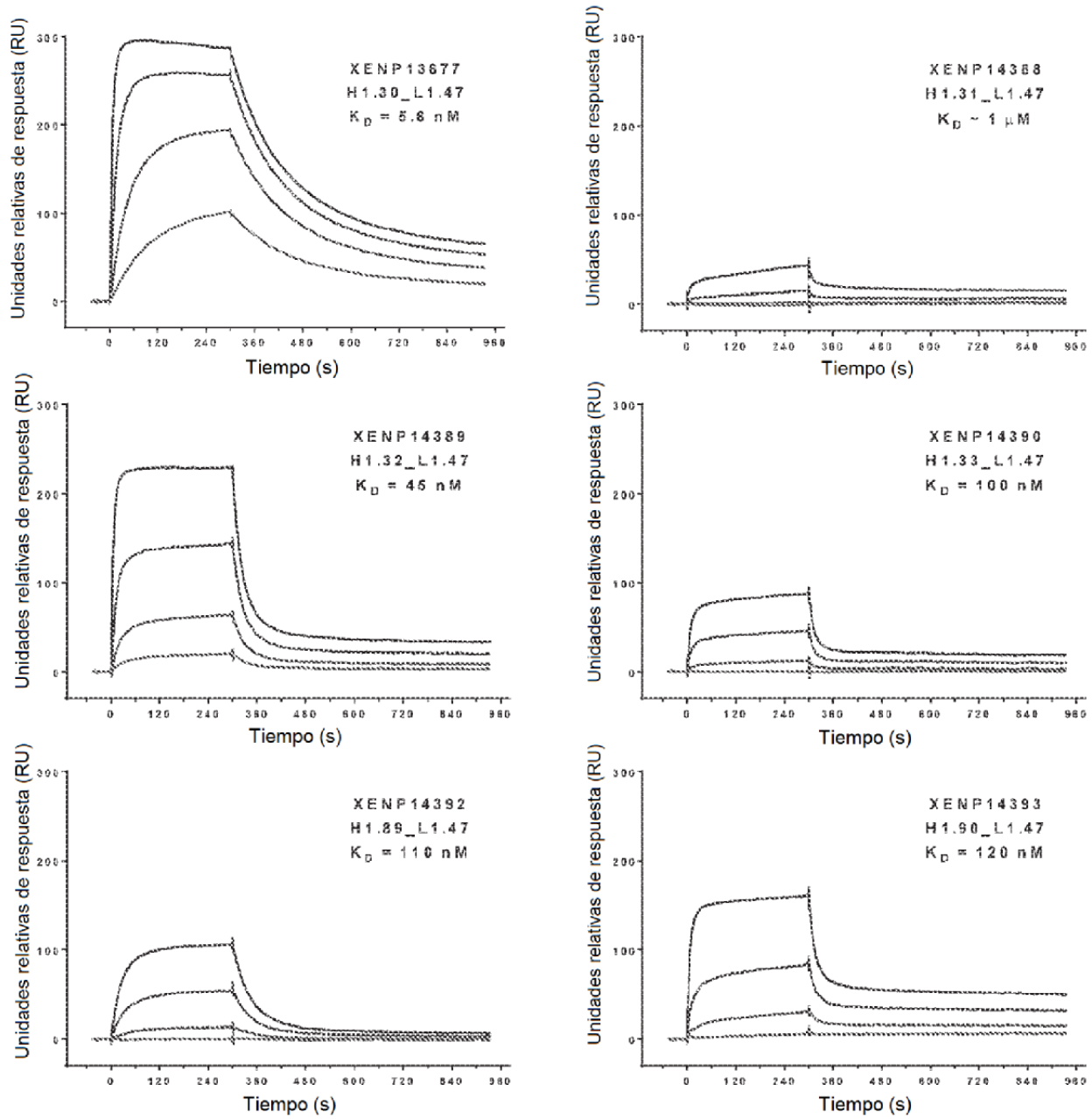


Figura 109

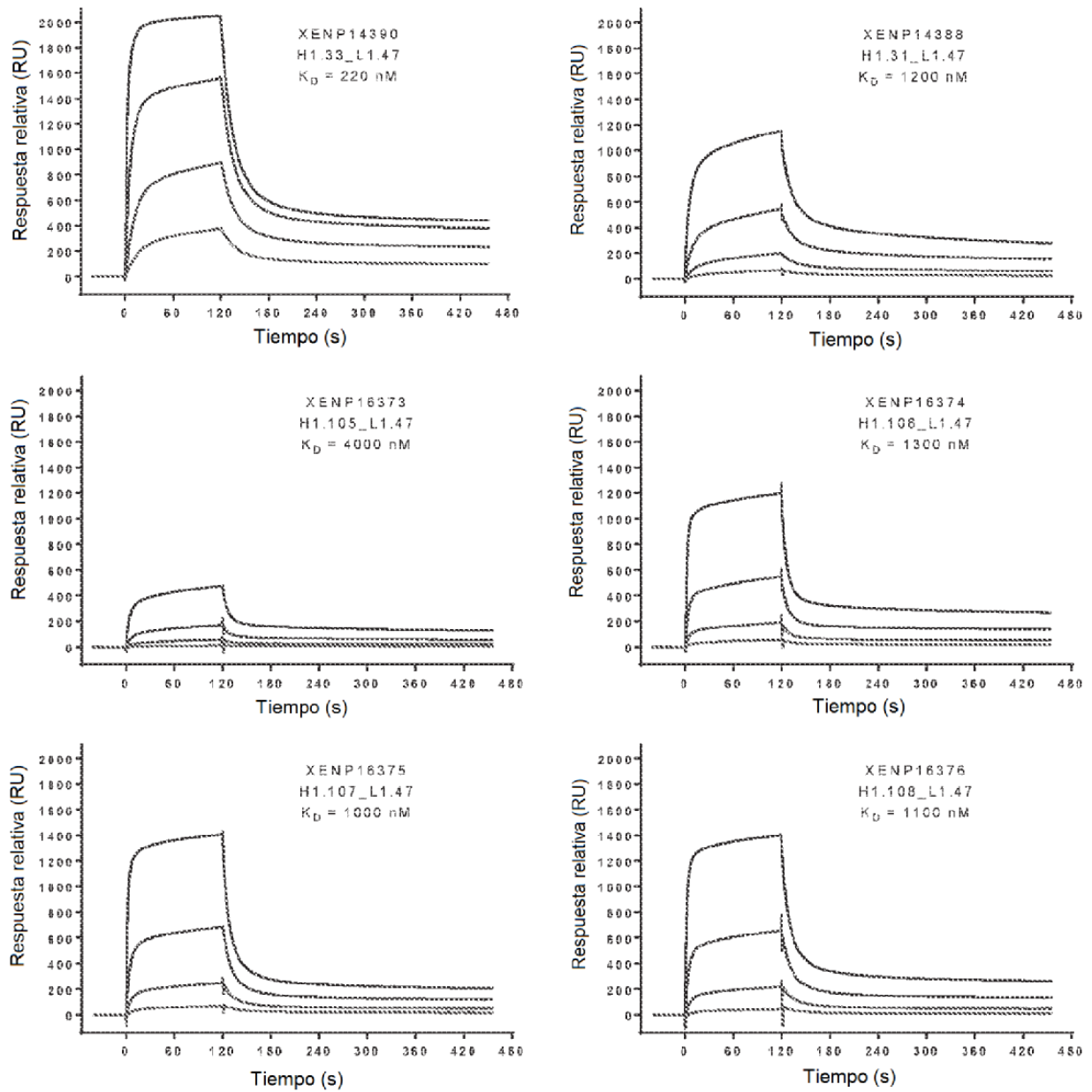


Figura 110

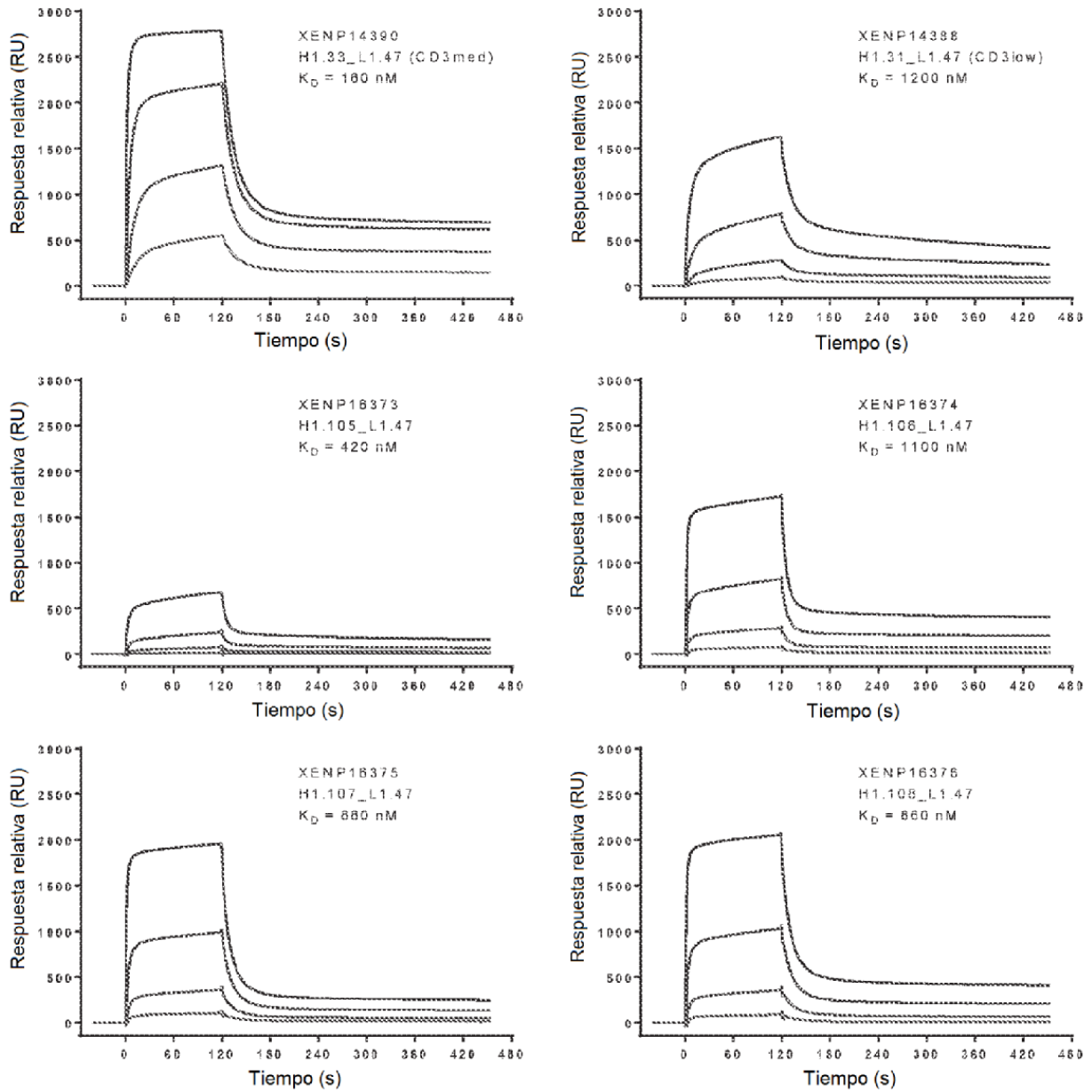


Figura 111

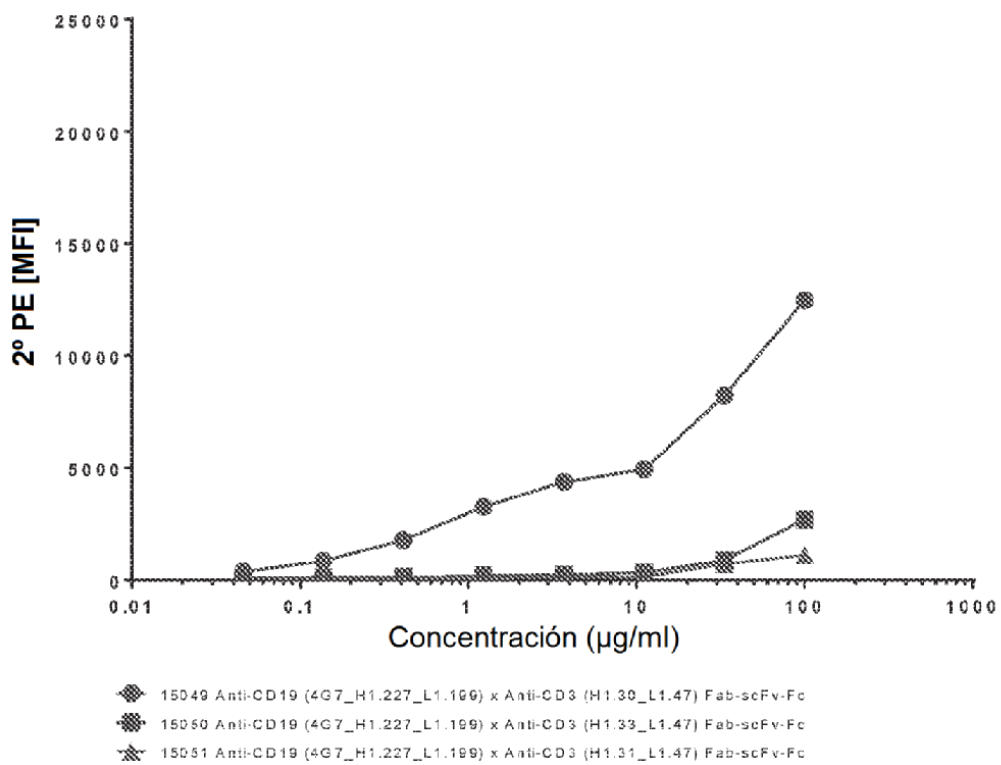
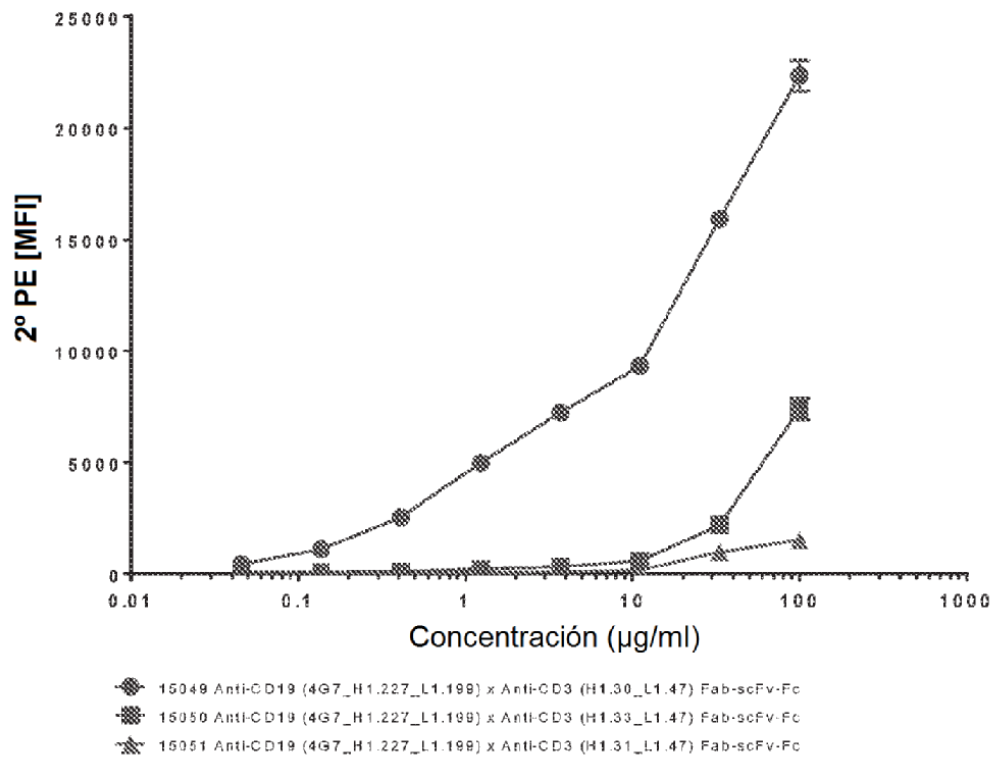


Figura 112

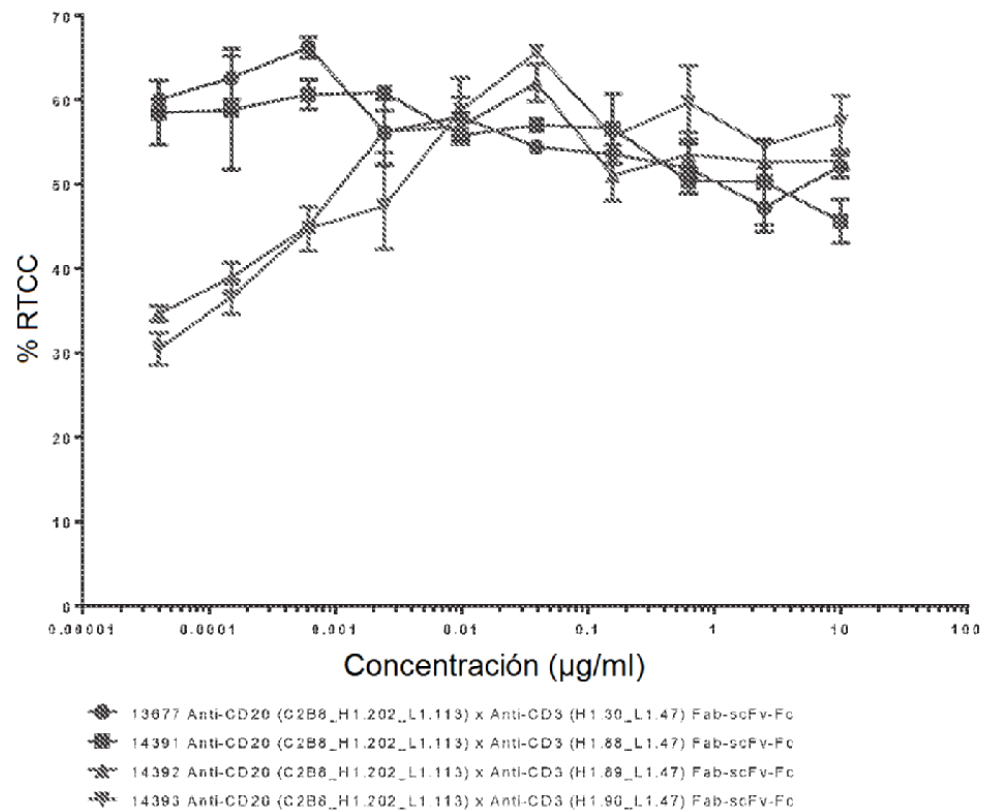
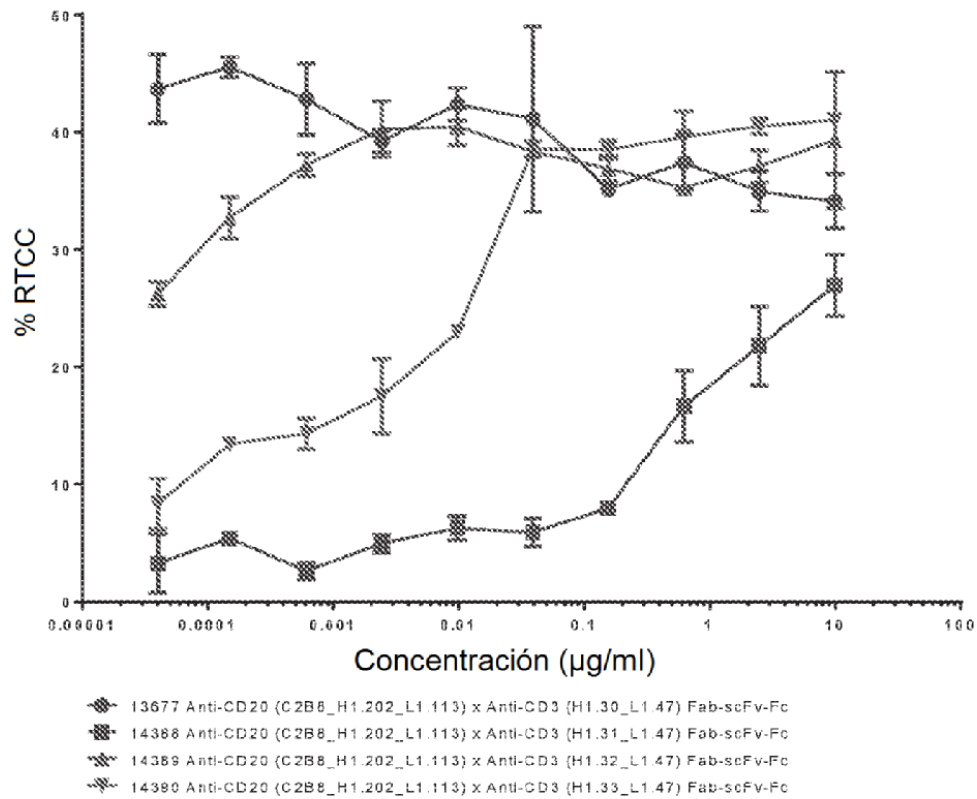


Figura 113

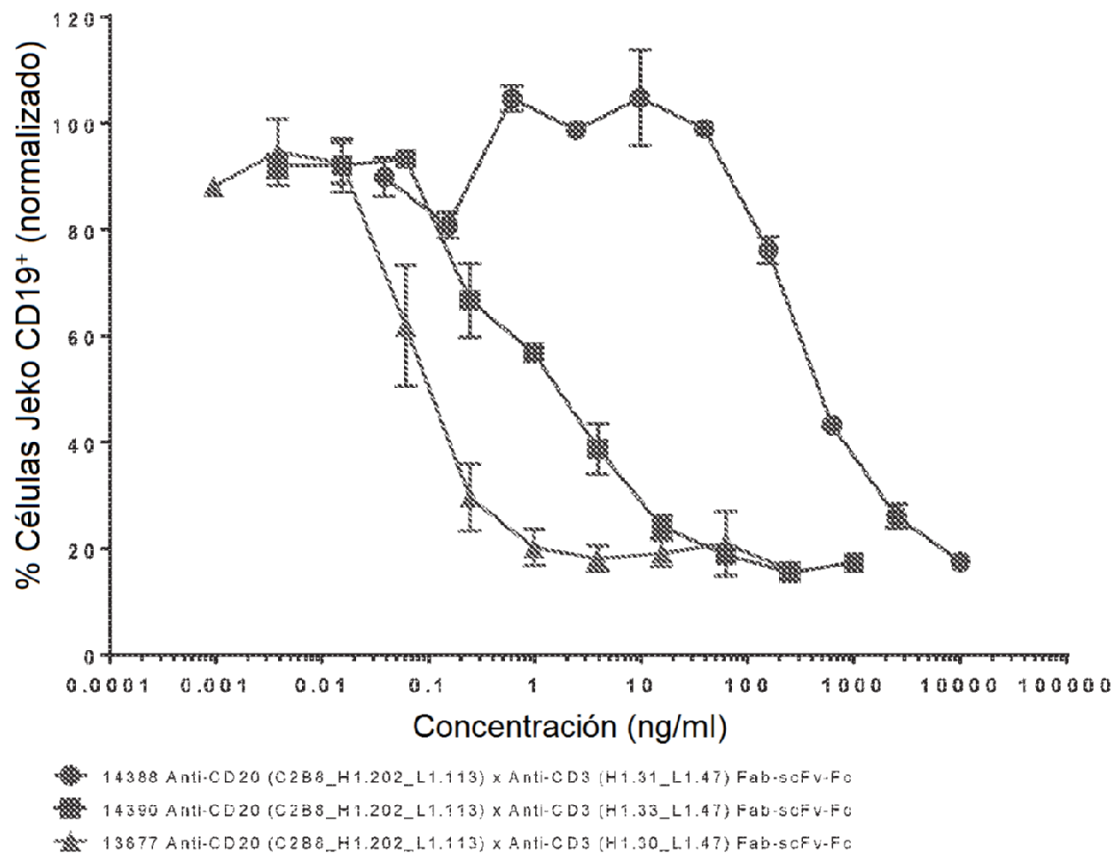


Figura 114

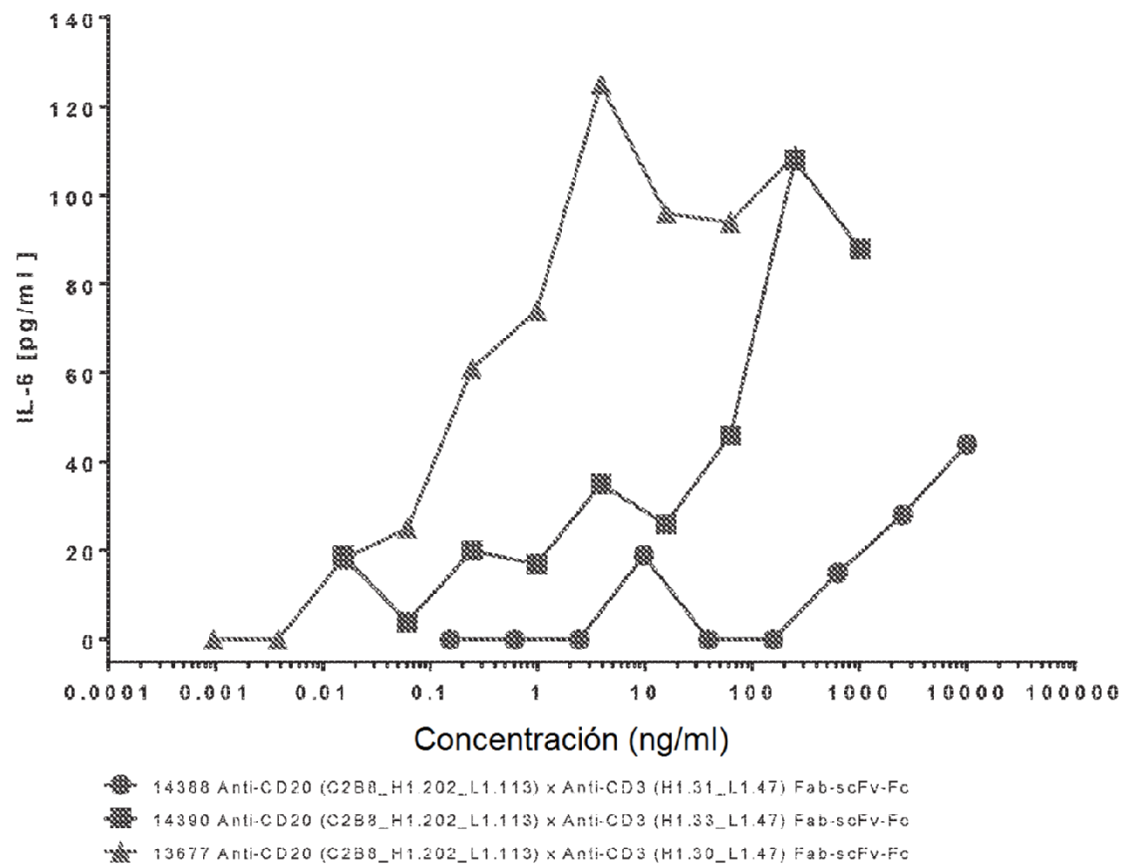


Figura 115A

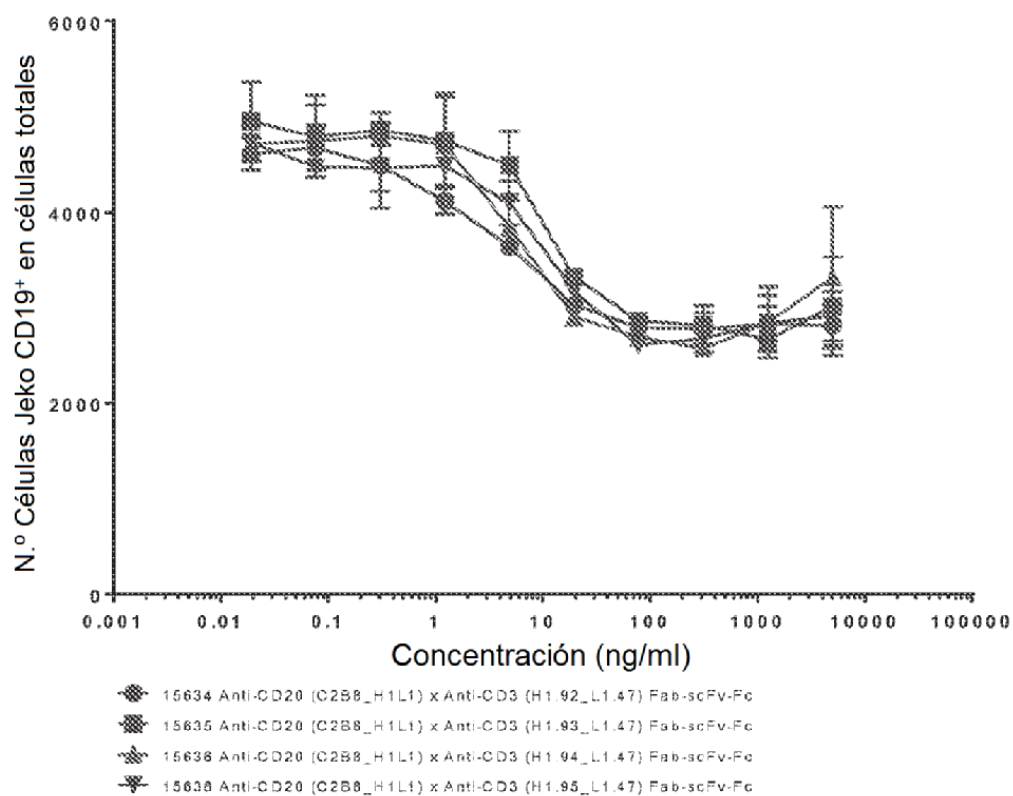
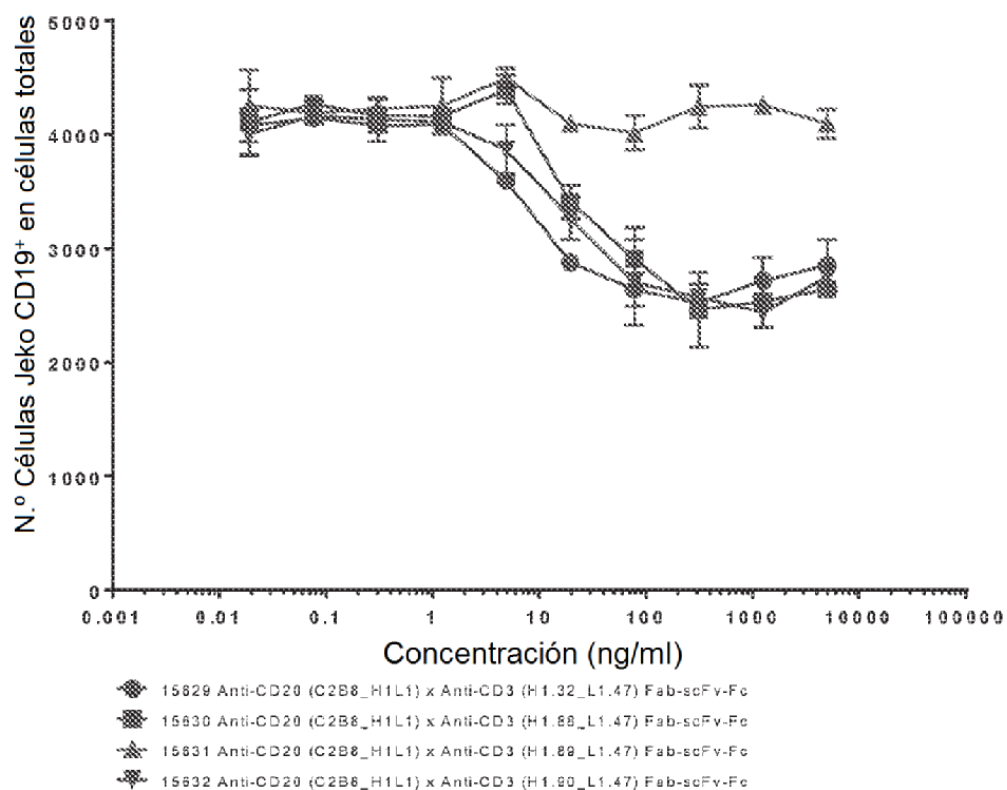


Figura 115B

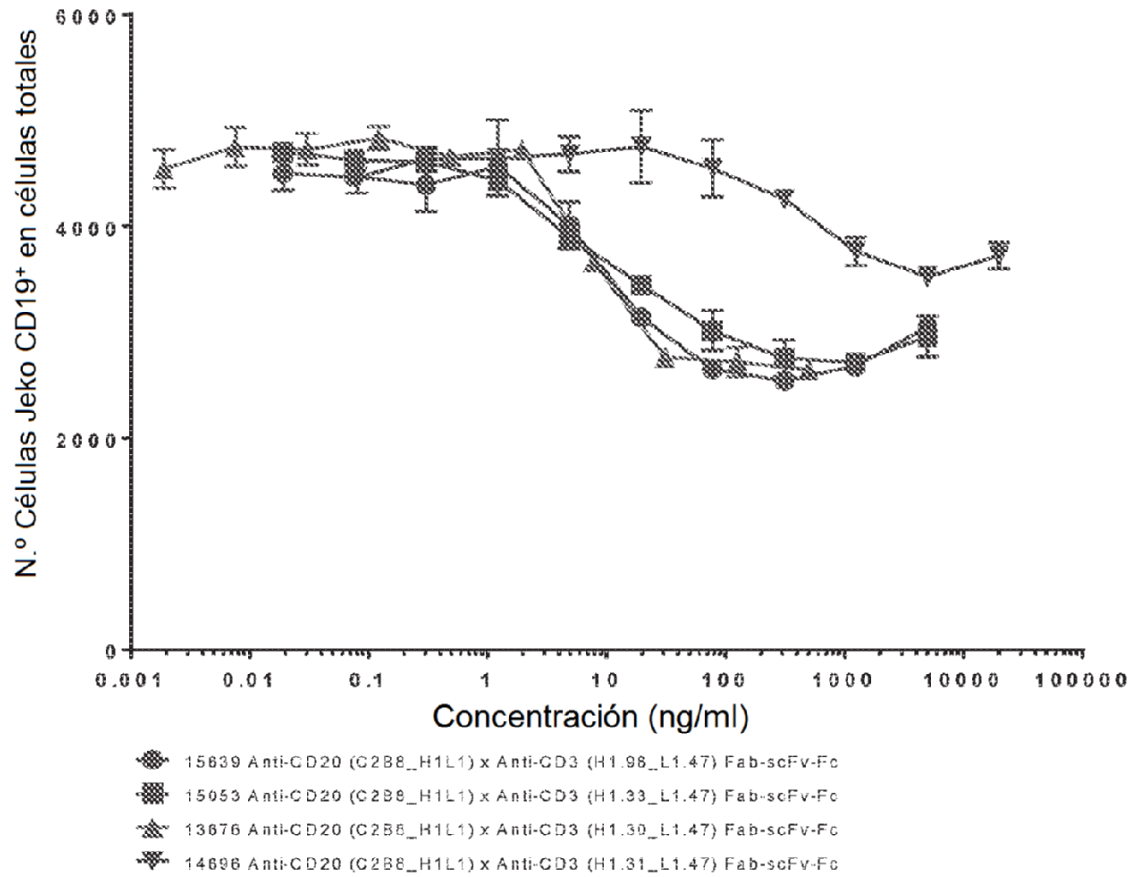


Figura 116A

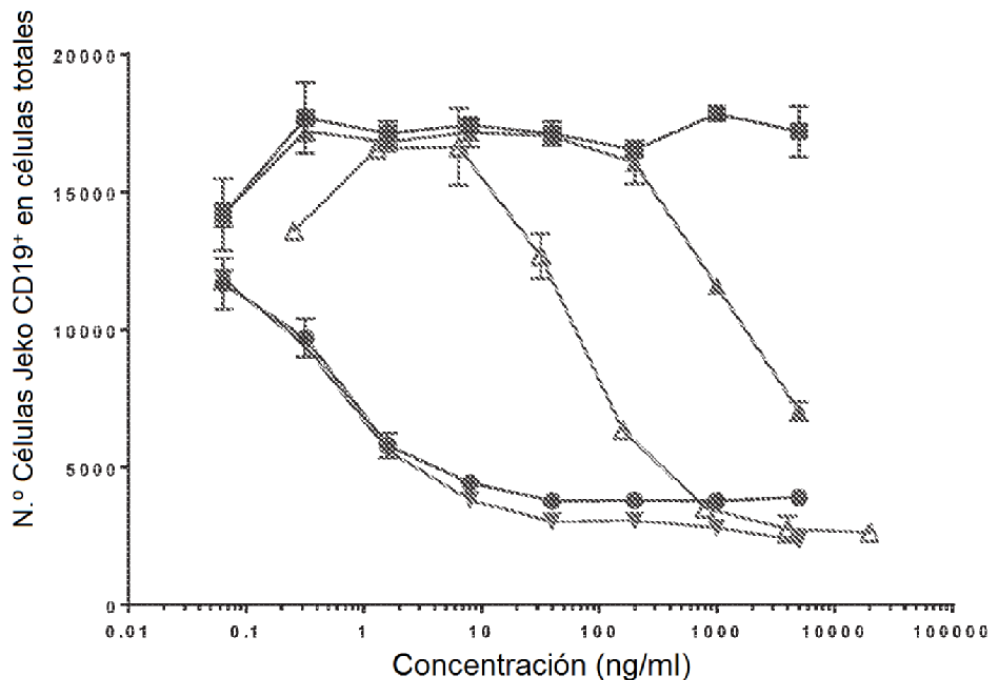
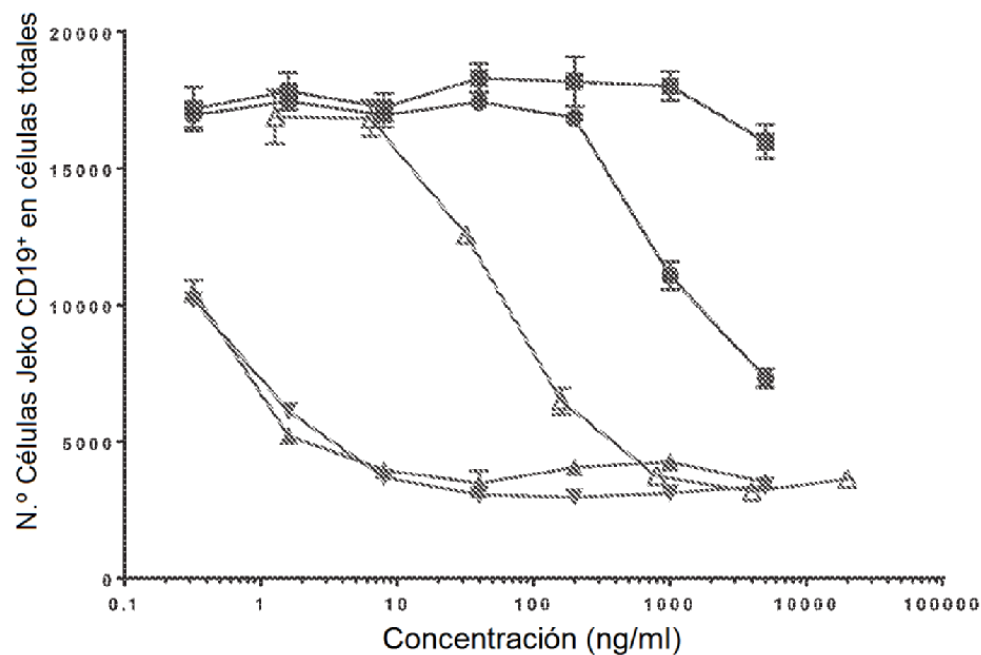


Figura 116B

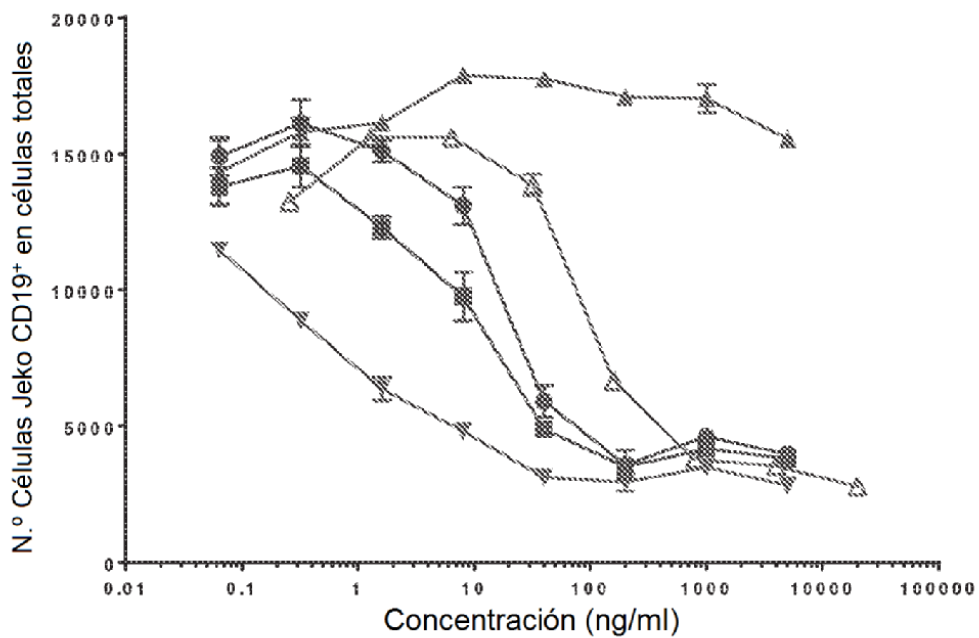
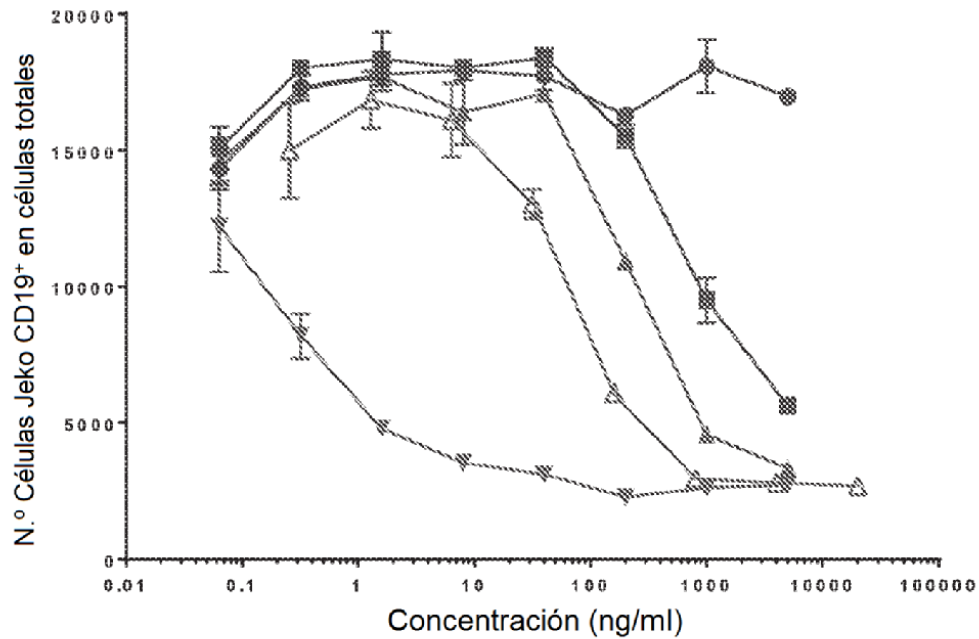


Figura 117

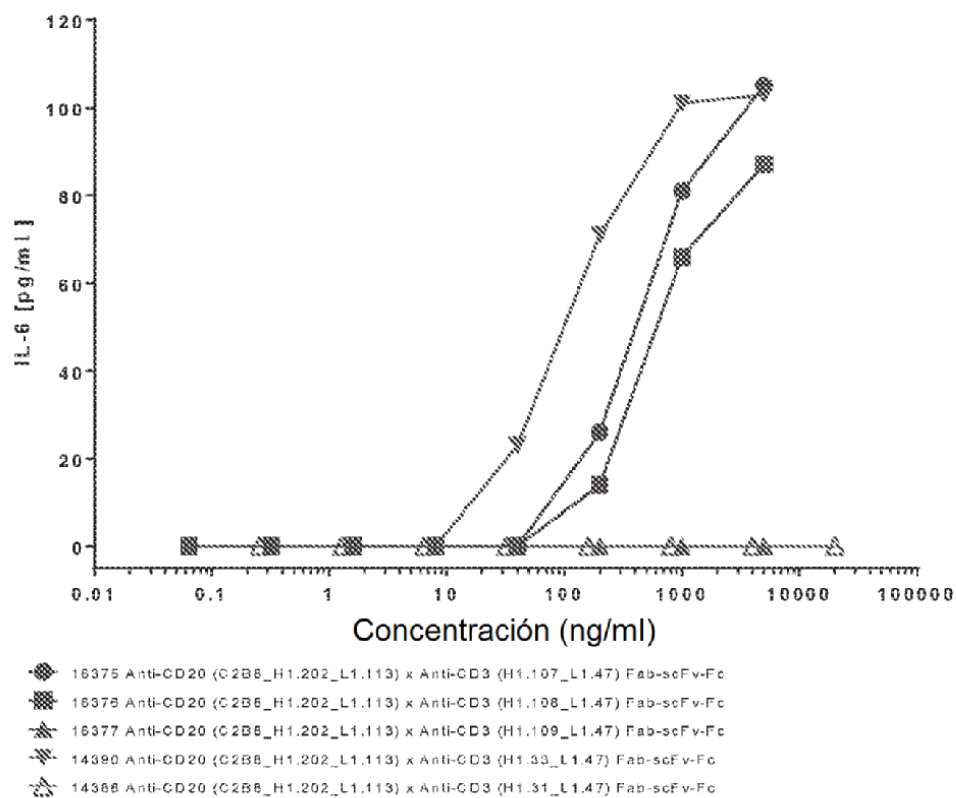
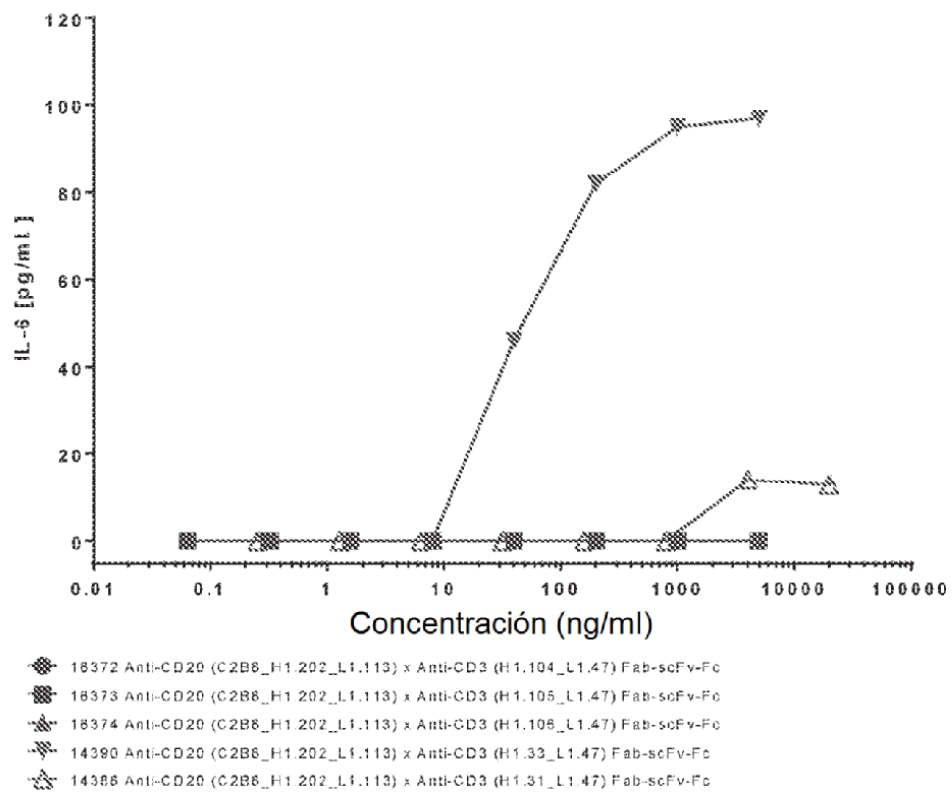


Figura 118

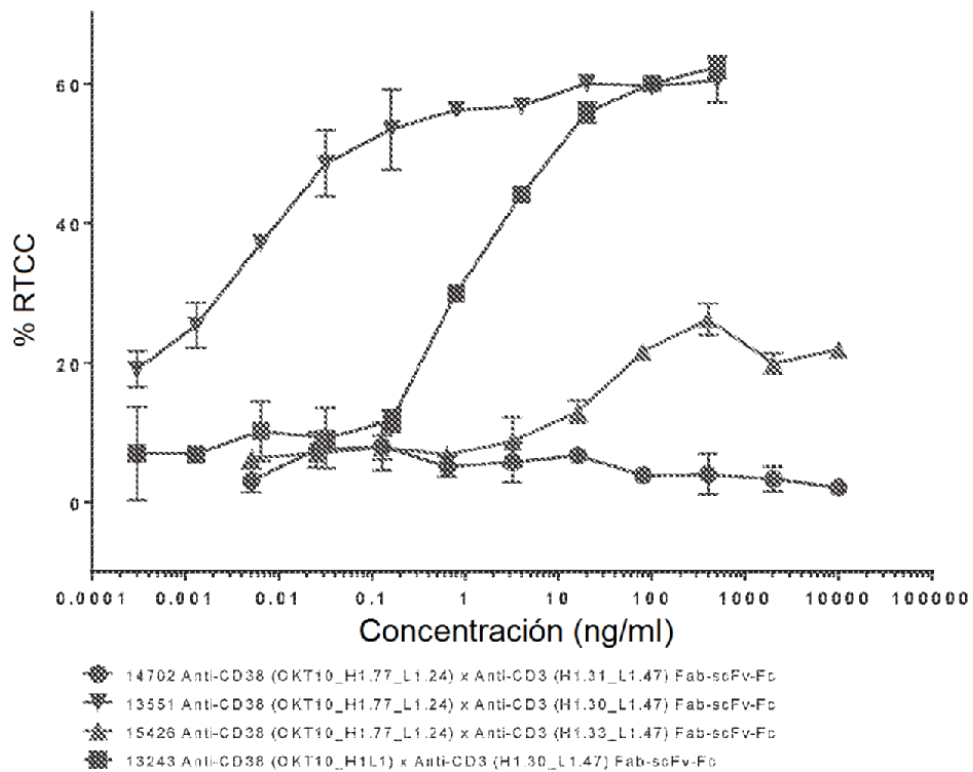
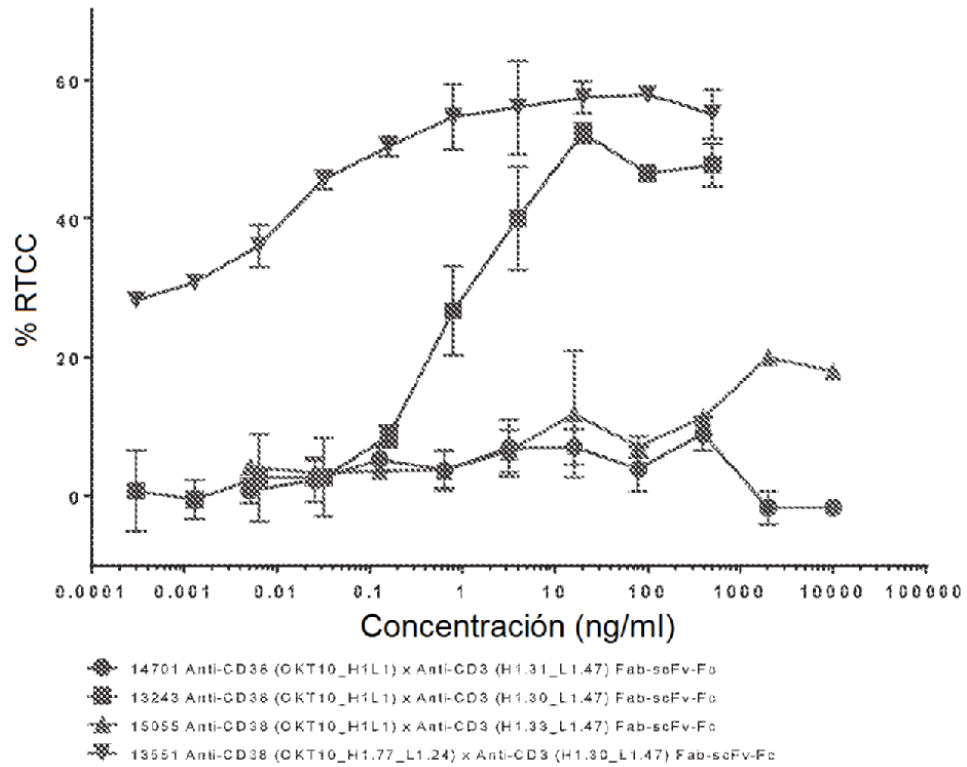


Figura 120

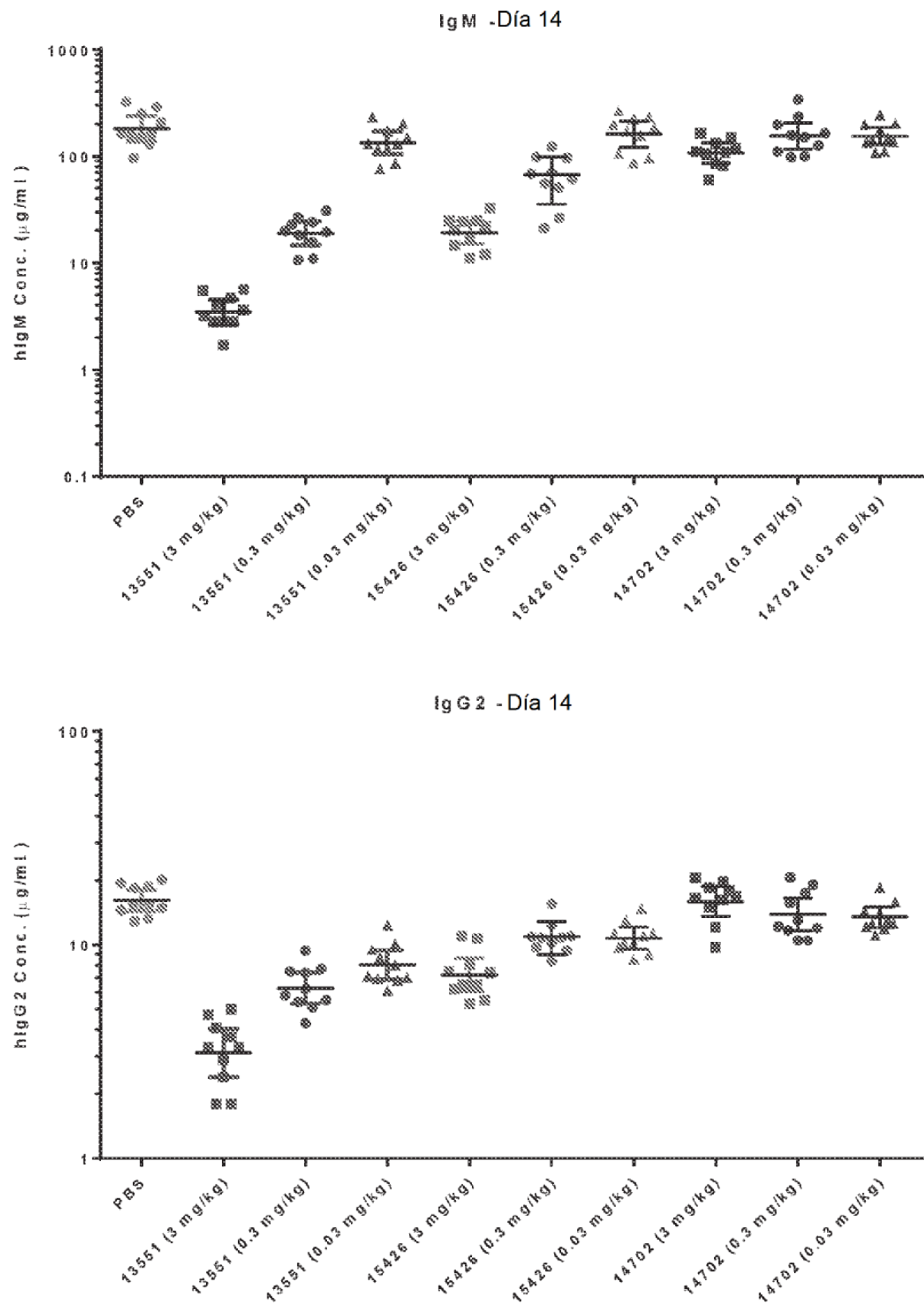


Figura 121

Alto CD20 C2B8_H1.202_L1.113

Lo que es	secuencia	SEQ ID NO:
Dominio pesado variable (vh)	QVQLVQSGAEVKKPGASVKVSCKASGYTFITWVRQAPGORLEWMGAIYPGNGATSYSQKFQGRVTITADTSASTAYMELSSL RSEDTAVYYCARSYMMGGDWYFDVWGAGTLVTVSS	421
vhCDR1	SYNIMH	422
vhCDR2	AIYPGNGATSYSQKFQG	423
vhCDR3	SYMMGGDWYFDV	424
Dominio ligero variable (vl)	QIVLTQSPSSLSASVGDRVTITCRASWSVSYIHWFQQKPGKSPKPLIVATSNLASGVPVRFSGSGGTDTYTLTISSLQPEDFATYY CQQWTHNPPTIFGGGKVEIK	425
vlCDR1	RASWSVSYIH	426
vlCDR2	ATSNLAS	427
vlCDR3	QQWTHNPPT	428
scFv (incluyendo enlazador cargado)	QVQLVQSGAEVKKPGASVKVSCKASGYTFITWVRQAPGORLEWMGAIYPGNGATSYSQKFQGRVTITADTSASTAYMELSSL RSEDTAVYYCARSYMMGGDWYFDVWGAGTLVTVSSGKPSGKPGSGKPGSQIVLTQSPSSLSASVGDRVTITCRASW SVSYIHWFQQKPGKSPKPLIVATSNLASGVPVRFSGSGGTDTYTLTISSLQPEDFATYYCQQWTHNPPTIFGGGKVEIK	429

Figura 122

Bajo CD20 C2B8_H1L1

Lo que es	secuencia	SEQ ID NO:
Dominio pesado variable (vh)	QVQLVQSGAEVKKPGASVKVSCKASGYTFSTYNMHVVRQAPGQGLEWMGAIYPGNGDTSYNQKFGGRVTITADKSISTAY MELSSLRSEDTAVVYCARSTYYGGDWYFNWGAGTLTVSS	430
vhCDR1	SYNMH	431
vhCDR2	AIYPGNGDTSYNQKFGG	432
vhCDR3	STYGGDWYFNV	433
Dominio ligero variable (vl)	QIVLTQSPSSLSASVGDRVTITCRASSSVSYIHWFQKPKGKPKFLIYATSNLASGVPVRFSGSGGTDYTLTISSIQPEDFATYYC QQWTSNPPTFGGGTKVEIK	434
vlCDR1	RASSSVSYIH	435
vlCDR2	ATSNLAS	436
vlCDR3	QQWTSNPPT	437
scFv (incluyendo enlazador cargado)	QVQLVQSGAEVKKPGASVKVSCKASGYTFSTYNMHVVRQAPGQGLEWMGAIYPGNGDTSYNQKFGGRVTITADKSISTAY MELSSLRSEDTAVVYCARSTYYGGDWYFNWGAGTLTVSSGKPGSGGKPGSGGKPGSQIVLTQSPSSLSASVGDRVTIT CRASSSVSYIHWFQKPKGKPKFLIYATSNLASGVPVRFSGSGGTDYTLTISSIQPEDFATYYCQQWTSNPPTFGGGTKVEIK	438

Figura 123

CD123 7G3_H1.109_L1.57

Lo que es	secuencia	SEQ ID NO:
Dominio pesado variable (vh)	QVQLQQSGAEVKKPGASVKVCKASGYTFDYIMKWVKQSHGKSLEWMGDIIPSNNGATFYNQKFKGKATLTVDRSTSTAY MELSSLRSEDTAVVYCARSHLLRASWFAYWGQGTLLTVVSS	439
vhCDR1	DYYMK	440
vhCDR2	DIIPSNNGATFYNQKFKG	441
vhCDR3	SHLLRASWFAY	442
Dominio ligero variable (vl)	DFVMTQSPDSLAVSLGERATINCKSSQSLNTGNQKNYLTWYQQKPGQPPKLLIYWASTRESGVDPDRFTGSGSGTDFLTISL QAEDVAVYYCQNDYSYPYTFGGGTKLEIK	443
vlCDR1	KSSQSLNTGNQKNYLT	444
vlCDR2	WASTRES	445
vlCDR3	QNDYSYPYTF	446
scFv (incluyendo enlazador cargado)	QVQLQQSGAEVKKPGASVKVCKASGYTFDYIMKWVKQSHGKSLEWMGDIIPSNNGATFYNQKFKGKATLTVDRSTSTAY MELSSLRSEDTAVVYCARSHLLRASWFAYWGQGTLLTVVSSGKPGSGKPGSGKPGSGDFVMTQSPDSLAVSLGERATIN CKSSQSLNTGNQKNYLTWYQQKPGQPPKLLIYWASTRESGVDPDRFTGSGSGTDFLTISLQAEDVAVYYCQNDYSYPYTFG GGTKLEIK	447

Figura 124

		Alto CD3	Alto-Int #1 CD3	Alto-Int #2 CD3	Alto-Int #3 CD3	CD3 int	Bajo CD3
		Anti-CD3 H1.30_L1.47	Anti-CD3 H1.32_L1.47	Anti-CD3 H1.89_L1.47	Anti-CD3 H1.90_L1.47	Anti-CD3 H1.33_L1.47	Anti-CD3 H1.31_L1.47
Alto CD38	OKT10 H1.77_L1.24	A, B, C, D, E. F	A, B, C, D, E. F	A, B, C, D, E. F	A, B, C, D, E. F	A, B, C, D, E. F	A, B, C, D, E. F
CD38 int	OKT10 H1.1.24	A, B, C, D, E. F	A, B, C, D, E. F	A, B, C, D, E. F	A, B, C, D, E. F	A, B, C, D, E. F	A, B, C, D, E. F
Bajo CD38	OKT10 H1.1.1	A, B, C, D, E. F	A, B, C, D, E. F	A, B, C, D, E. F	A, B, C, D, E. F	A, B, C, D, E. F	A, B, C, D, E. F
Alto CD20	C2B8_H1.20 2_L1.113	A, B, C, D, E. F	A, B, C, D, E. F	A, B, C, D, E. F	A, B, C, D, E. F	A, B, C, D, E. F	A, B, C, D, E. F
Bajo CD20	C2B8_H1.1	A, B, C, D, E. F	A, B, C, D, E. F	A, B, C, D, E. F	A, B, C, D, E. F	A, B, C, D, E. F	A, B, C, D, E. F
CD123	7G3_H1.109 _L1.57	A, B, C, D, E. F	A, B, C, D, E. F	A, B, C, D, E. F	A, B, C, D, E. F	A, B, C, D, E. F	A, B, C, D, E. F