

Sequence Listing**SEQ ID NO: 1****BMA031 Heavy chain variable domain:**

EVQLQQSGPELVKPGASVKMSCKASGYKFTSYVMHWVKQKPGQGLEWIGYINPYNDV
 5 TKYNEKFKGKATLTSDKSSSTAYMELSSLTSEDSAVHYCARGSYDYDGFVYWGQGT
 LTVSA

SEQ ID NO: 2**BMA031 Light chain variable domain:**

10 QIVLTQSPAISASPGEKVTMTCSATSSV.SYMHWWYQQKSGTSPKRWIYDTSKLAGVP
 ARFSGSGSGTSYSLTISSMEAEDAATYYCQQWSSNPLTFGAGTKLELK

SEQ ID NO: 3**EuCIV3 Heavy chain variable domain:**

15 QVQLVQSGAEVKKPGSSVKVSCASGYKFTSYVMHWVKQAPGQGLEWIGYINPYNDV
 TKYNEKFKGKATLTADESTNTAYMELSSLRSEDTAVHYCARGSYDYDGFVYWGQGT
 LTVSS

SEQ ID NO: 4**20 EuCIV3 Light chain variable domain:**

DIQMTQSPSTLSASVGDRVTMTCSATSSV.SYMHWWYQQKPGKAPKRWIYDTSKLAGV
 PARFIGSGSGTEFTLTISLQPDDEFATYYCQQWSSNPLTFGGGTKVEIK (h)

SEQ ID NO: 5**25 HEBE1 Heavy chain variable domain:**

EVQLLESGGGLVQPGGSLRLSCAASGYKFTSYVMHWVKQAPGKGLEWIGYINPYNDV
 TKYNEKFKGKATLSRDNSKNTLYLQMNSLRAEDTAVHYCARGSYDYDGFVYWGQGT
 LTVSS

SEQ ID NO: 6

HEBE1 Light chain variable domain:

DIQMTQSPSTLSASVGDRVTMTCSATSSVSymHWYQQKPGKAPKRWIYDTSKLASGV
 PARFIGSGSGTEFTLTISSLQPDDFATYYCQQWSSNPLTFGGGKTKVEIK

5

SEQ ID NO: 7

HEBE1 H10 Heavy chain variable domain:

EVQLQQSGPELVKPGASVKMSCKASGYKFTSYVMHWVKQAPGKGLEWIGYINPYNDV
TKYNEKFKGKATLSRDNSKNTLYLQMNSLRAEDTAVHYCARGSYDYDGFVYWGQGT

10 LTVSS

SEQ ID NO: 8

GL1BM Heavy chain variable domain:

QVQLVQSGAEVKKPGASVKVSCCKASGYKFTSYVMHWVRQAPGQRLEWMGYINPYND
 15 VTKYNEKFKGKATITRDTSANTAYMELSSLRSEDTAVYYCARGSYDYDGFVYWGQGT
 LTVSS

SEQ ID NO: 9

GL1BM Light chain variable domain:

20 EIVLTQSPATLSLSPGERATLSCSATSSVSymHWYQQKPGQAPRRWIYDTSKLASGVP
 ARFSGSGSGTDFTLTISLLEPEDFAVYYCQQWSSNPLTFGGGKTKVEIK

SEQ ID NO: 10

HulgG1 Fc delta ab:

25 ASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQ
 SSGLYSLSSVVTVPSSSLGTQTYICNVNHKPSNTKVDKKVEPKSCDKTHTCPPCPAPPV
 AGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPRE
 EQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKGLPSSIEKTISKAKGQPREPQVYTL
 PPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKL
 30 TVDKSRWQQGNVFCSSVMHEALHNHYTQKSLSLSPGK

SEQ ID NO: 11

HulG4 agly Fc:

5 ASTKGPSVFPLAPCSRSTSESTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQ
 GPSVFLFPPKPKDTLMISRTPEVTCVVDVVSQEDPEVQFNWYVDGVEVHNAKTKPREE
 QFQSTYRVVSVLTVLHQDWLNGKEYKCKVSNKGLPSSIEKTISKAKGQPREPQVYTLP
 PSQEEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSRL
 TVDKSRWQEGNVFSCSVMHEALHNHYTQKSLSLGLK

10

SEQ ID NO: 12

HEBE1 H66 Heavy chain variable domain:

15 EVQLLQSGGGLVQPGGSLRLSCAASGYKFTSYVMHWVRQAPGKGLEWVGYINPYND
VTKYNEKFKGRFTLSRDNSKNTLYLQMNSLRAEDTAVYYCARGSYDYDGFVYWGQG
 TLVTVSS

SEQ ID NO: 13

HEBE1 H71 Heavy chain variable domain:

20 EVQLLES GGGLVQPGGSVRLSCAASGYKFTSYVMHWVRQAPGKGLEWVGYINPYND
VTKYNEKFKGRFTLSRDNSKNTLYLQMNSLRAEDTAVYYCARGSYDYDGFVYWGQG
 TLVTVSS

SEQ ID NO: 14

GL1BM VK43 Light chain variable domain:

25 EIVLTQSPATLSLSPGERATLSCSATSSVSYMHWYQQKPGQAPRRLIYDTSKLASGVP
 ARFSGSGSGTSYTLTISLEPEDFAVYYCQQWSSNPLTFGGGKVEIK

SEQ ID NO: 15

GL1BM VH28 Heavy chain variable domain:

QVQLVQSGAEVKKPGASVKVSCKASGYKFTSYVMHWVKQAPGQGLEWIGYINPYNDV
 5 TKYNEKFKGRVTITRDTSASTAYMELSSLRSEDAVYYCCARGSYDYDGFVYWGQGTL
 VTVSS

SEQ ID NO: 16

GL1BM VH31 Heavy chain variable domain:

QVQLVQSGAEVKKPGASVKVSCKASGYKFTSYVMHWVRQAPGQGLEWIGYINPYNDV
 10 TKYNEKFKGRVTITRDTSASTAYMELSSLRSEDAVYYCCARGSYDYDGFVYWGQGTL
 VTVSS

SEQ ID NO: 17

IGH3-23 HEAVY CHAIN

15 EVQLLESGGGLVQPGGSLRLSCAASGFTFSSYAMSWVRQAPGKGLEWVSAISGSGGS
TYYADSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCAK

SEQ ID NO: 18

IGHV1-3*01 HEAVY CHAIN

20 QVQLVQSGAEVKKPGASVKVSCKASGYTFTSYAMHWVRQAPGQRLEWMGWINAGN
GNTKYSQKFQGRVTITRDTSASTAYMELSSLRSEDAVYYCAR

SEQ ID NO: 19

IGKV3-11*01 LIGHT CHAIN

25 EIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASNRATGIP
 ARFSGSGSGTDFTLTSSLEPEDFAVYYCQQRSNWP

SEQ ID No. 20**GL1BM VHΔS**

**QVQLVQSGAEVKKPGASVKVSCKASGYKFTSYVMHWVRQAPGQRLEWMGYINPYND
VTKYNEKFKGKATITRDTASTAYMELSSLRSEDTAVYYCARGSYDYDGFVYWGQGT
5 LVTVSS**

SEQ ID No 21**GL1BM VK1**

**EIVLTQSPATLSLSPGERATLSCSATSSVSVMHWYQQKPGQAPRRWIYDTSKLASGVP
10 ARFSGSGSGTDFTLTISSELPEDFAVYYCQQWSSNPLTFGGGGTKVEIK**

SEQ ID No 22**GL1BM VK27**

**EIVLTQSPATLSLSPGERATLSCSATSSVSVMHWYQQKPGQAPRRWIYDTSKLASGVP
15 ARFSGSGSGTDFTLTISSEMPEDFAVYYCQQWSSNPLTFGGGGTKVEIK**

SEQ ID No 23**GL1BM VHΔS VH11**

**QVQLVQSGAEVKKPGASVKVSCKASGYKFTSYVMHWVKQKPGQGLEWIGYINPYNDV
20 TKYNEKFKGKATITRDTASTAYMELSSLRSEDTAVYYCARGSYDYDGFVYWGQGTL
VTVSS**

SEQ ID No 24

GL1BM VHΔS VH15

**QVQLVQSGAEVKKPGASVKVSCKASGYKFTSYVMHWVKQAPGQGLEWIGYINPYNDV
TKYNEKFKGKATITRDTASTAYMELSSLRSEDVAVYYCARGSYDYDGFVYWGQGTL
5 VTVSS**