

SEQUENCESSEQ ID NO. 1 (RB4v1.0 VH):

QVQLVQPGAEEVVKPGASVKLSCKTSGYTFTSNWMHWVKQRPQGQLEWIGEIDPSDSY
TNYNQNFQKGAKLTVDKSTSTAYMEVSSLRSDDTAVYYCARGSNPYYYAMDYWGQGT
SVTVS

SEQ ID NO. 2 (RB4v1.2 VH):

QVQLVQPGAEEVVKPGASVKLSCKTSGYTFTSNWMHWVKQAPQGQLEWIGEIDPSDSY
TNYNQNFQKGAKLTVDKSTSTAYMEVSSLRSDDTAVYYCARGSNPYYYAMDYWGQGT
SVTVS

SEQ ID NO. 3 (B43 VH):

QVQLLESQAELVRPGSSVKISCKASGYAFSSYWMNWVKQRPQGQLEWIGQIWPQDGD
TNYNGKFKGKATLTADSSSTAYMQLSSLRSSEDSAVYSCARRETTTVGRYYYAMDYWG
QGTTVT

SEQ ID NO. 4 (HD37 VH):

QVQLQQSGAELVRPGSSVKISCKASGYAFSSYWMNWVKQRPQGQLEWIGQIWPQDGD
TNYNGKFKGKATLTADSSSTAYMQLSSLASEDSAVYFCARRETTTVGRYYYAMDYWG
QGTSVTVS

SEQ ID NO. 5 (4G7 VH):

EVQLQQSGPELIKPGASVKMSCKASGYTFTSYVMHWVKQKPGQGLEWIGYINPYNDGT
KYNEKFKGKATLTSDKSSSTAYMELSSLTSEDSAVYYCARGTYYYGSRVFDYWGQGT
LTVS

SEQ ID NO. 6 (FMC63 VH):

EVKLQESGPGVLVAPSQSLSVTCTVSGVSLPDYGVSWIRQPPRKGLEWLGVIWGSETTY
YNSALKSRLTIKDNSKSQVFLKMNSLQTDDTAIYYCAKHYYYGGSYAMDYWGQGT
SVTVS

SEQ ID NO. 7 (RB4v1.0 VK):

EIVLTQSPAISASPGERVTMTCSASSGVNYMHYQQKPGTSPRRWIYDTSKLAGV
ARFSGSGSGTSYSLTISSEMPEDAATYYCHQRGSYTFGGGTKLEIK

Figure 1A

SEQ ID NO. 8 (RB4v1.2 VK):

EIVLTQSPAIMASAPGERVTMTCSASSGVNYMHWYQQKPGTSPRRWIYDTSKLASGVP
ARFSGSGSGTSYSLTISSMEPEDAATYYCHQRGSYTFGGGTKLEIK

SEQ ID NO. 9 (B43 VK):

ELVLTQSPASLAVSLGQRATISCKASQSVDYDGD SYLNWYQQIPGQPPKLLIYDASNLVS
GIPPRFSGSGSGTDFTLNIHPVEKVDAAATYHCQQSTEDPWTFGGGTKLEIK

SEQ ID NO. 10 (HD37 VK):

DILLTQTPASLAVSLGQRATISCKASQSVDYDGD SYLNWYQQIPGQPPKLLIYDASNLVS
GIPPRFSGSGSGTDFTLNIHPVEKVDAAATYHCQQSTEDPWTFGGGTKLEIK

SEQ ID NO. 11 (4G7 VK):

DIVMTQAAPSIPVTPGESVSISCRSSKLLNSNGNTYLYWFLQRPGQSPQLLIYRMSNLA
SGVPDRFSGSGSGTAFTLRISRVEAEDVGVYCMQHLEYPFTFGAGTKLELK

SEQ ID NO. 12 (FMC63 VK):

DIQMTQTTSSLSASLGDRVTISCRASQDISKYLWYQQKPDGTVKLLIYHTSRLHSGVPS
RFSGSGSGTDYSLTISNLEQEDIATYFCQQGNTLPYTFGGGTKLEIT

SEQ ID NO. 13 (RB4v1.2-HC):

QVQLVQPGAEEVVKPGASVKLSCKTSGYTFTSNWMHWVKQAPGQGLEWIGEIDPSDSY
TNYNQNFQGKAKLTVDKSTSTAYMEVSSLRSDDTAVYYCARGSNPYYYAMDYWGQGT
SVTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTF
PAVLQSSGLYSLSSVTVPSSSLGTQTYICNVNHKPSNTKVDKKVEPKSCDKTHTCPPC
PAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAK
TKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQ
VYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDSDGSFLL
YSKLTVDKSRWQQGNVFCFSVMHEALHNHYTQKSLSLSPG

SEQ ID NO. 14 (RB4v1.2-LC):

EIVLTQSPAIMASAPGERVTMTCSASSGVNYMHWYQQKPGTSPRRWIYDTSKLASGVP
ARFSGSGSGTSYSLTISSMEPEDAATYYCHQRGSYTFGGGTKLEIKRTVAAPSVFIFPPS
DEQLKSGTASVCLLNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKDSTYLSSTL
TLISKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC

Figure 1B