1/2

```
                                        ----CDRH1---
r41F11      EVQLVESGGGLVQPGRSLKLSCVAS GFTFNNSW--MT WIRQAPGKGLECVA
r8B10       EVKLVESGGGLEQPKGSLKLSCTVS GFDFNSYG--MS WVRQAPGKGLDLVA
hu8B10      QVQLVESGGGVVQPGRSLRLSCAAS GFDFNSYG--MS WVRQAPGKGLEWVA
r3C11       QVTLKESGPGILQPSQTLSLTCTFS GFSLSTYGMGVG WIRQPSGKGLEWLA
m20E5       QVPLQQPGTELVKPGASVKLSCKAS GYTFTSYW--IH WVKQRPEQGLEWIG
m20D7       QIQLVQSGPELKKPGETVKISCKAS GYTFTNYA--MN WVKQAPGKGLKWMG
hu20D7-a    QVQLVQSGAEVKKPGASVKVSCKAS GYTFTNYA--MN WVRQAPGQGLEWMG
hu20D7-b    QVQLVQSGAEVKKPGASVKVSCKAS GYTFTNYA--MN WVRQAPGQGLEWMG
hu20D7-c    QVQLVQSGAEVKKPGASVKVSCKAS GYTFTNYA--MN WVRQAPGQGLEWMG

            -------CDRH2-------
r41F11      SITNTGG--STYYPDSVKG RFTISRDNAKSTLYLQMNSLRSEDTATYYCSR
r8B10       DINSKSYNYATYYADSVKD RFTISRDDSQSMVYLEMDNLKTEDTALYYCTV
hu8B10      DINSKSYNYATYYADSVKD RFTISRDNSKNTLYLQMNSLRAEDTAVYYCAR
r3C11       NIWWDDD---KYYNPSLKN RLTISKDTSNNQAFLKITNVDTADTATYYCAR
m20E5       EIDPSDS--YTYYNQKFKD KATLTVDKSSTTAFLQLSSLTSEDSAVYYCAR
m20D7       WINTYTG--EPTYSDDFKG RFAFSLETSANTAYLQINNLKNEDTAAYFCTR
hu20D7-a    WINTYTG--EPTYSDDFKG RVTMTTDTSTSTAYMELRSLRSDDTAVYYCAR
hu20D7-b    WINTYTG--EPTYSDDFKG RVTMTLDTSTSTAYMELRSLRSDDTAVYYCAR
hu20D7-c    WINTYTG--EPTYSDDFKG RVTFTLDTSTSTAYMELRSLRSDDTAVYYCAR

            ------CDRH3-------
r41F11      EDNS----------GYDY WGQGVMVTVSS
r8B10       HHSD----------YFEY WGQGVMVTVSS
hu8B10      HHSD----------YFEY WGQGTLVTVSS
r3C11       IDAHPMGITTPDYYVVDA WGQGASVTVSS
m20E5       SLYDYD--------GVPD WGQGTLVTVSA
m20D7       GGGYDED-------YFDY WGQGTTLTVSS
hu20D7-a    GGGYDED-------YFDY WGQGTLVTVSS
hu20D7-b    GGGYDED-------YFDY WGQGTLVTVSS
hu20D7-c    GGGYDED-------YFDY WGQGTLVTVSS
```

Figure 1

```
                                        ------CDRL1------
r41F11       DIQMTQSPASLSASLGETVTIEC LASE------DIYSNLA
r8B10        DIQMTQSPASLSASLGETVSIEC LASE------DIYNNLA
hu8B10       DIQMTQSPSSLSASVGDRVTITC LASE------DIYNNLA
r3C11        DIVMTQSPTSMSISLGDRVTMNC KASQ------NVGSNVD
m20E5        DILMTQSPSSMSVSLGDTVSITC HASQ------GIDNNIG
m20D7        DIVMTQSPSSLAMSVGQKVTMNC KSSQSLFNSINQKTYLA
hu20D7-IV    DIVMTQSPDSLAVSLGERATINC KSSQSLFNSINQKTYLA
hu20D7-II-a  DIVMTQSPLSLPVTPGEPASISC KSSQSLFNSINQKTYLA
hu20D7-II-b  DIVMTQSPLSLPVTPGEPASISC KSSQSLFNTINQKTYLA

                          -CDRL2-
r41F11       WYQQKPGKSPQLLIY YANSLND GVPSRFSGSGSGT
r8B10        WYQQKPGKSPQLLIY HASSLQD GVPSRFSGSGSGT
hu8B10       WYQQKPGKAPKLLIY HASSLQD GVPSRFSGSGSGT
r3C11        WYQQKTGQSPKLLIY KASNRYT GVPDRFTGSGSGT
m20E5        WLQQKPGKSFKGLIY HGTNLED GVPSRFSGSGSGT
m20D7        WYQQRPGQSPKLLVY FASTRES GVPDRFIGSGSGT
hu20D7-IV    WYQQKPGQPPKLLIY FASTRES GVPDRFSGSGSGT
hu20D7-II-a  WYLQKPGQSPQLLIY FASTRES GVPDRFSGSGSGT
hu20D7-II-b  WYLQKPGQSPQLLIY FASTRES GVPDRFSGSGSGT

                                    --CDRL3--
r41F11       QYSLKINSLQSEDVSIYFC QQNYYSPPT FGGGTKLELKR
r8B10        QYSLKINSLESEDAATYFC LQDSEYPPT FGGGTKLELKR
hu8B10       DFTLTISSLQPEDFATYYC LQDSEYPPT FGQGTKVEIKR
r3C11        DFTFTISNMQAEDLSVYYC MQSNSYPLT FGSGTKLEIKR
m20E5        DYSLTISSLESEDFADYYC VQYAQFPFT FGGGTKLEIRR
m20D7        DFTLTINSVQAEDLADYFC QQHYDTPWT FGGGTKLEIKR
hu20D7-IV    DFTLTISSLQAEDVAVYYC QQHYDTPWT FGQGTKVEIKRT
hu20D7-II-a  DFTLKISRVEAEDVGVYYC QQHYDTPWT FGQGTKVEIKRT
hu20D7-II-b  DFTLKISRVEAEDVGVYYC QQHYDTPWT FGQGTKVEIKRT
```

Figure 2