

VH Domain

Kabat	1	10	22	31--35	40	50--a-----60----	65
AbM	1	10	22	26-----35	40	50--a-----58	65
Chothia	1	10	22	26-----32	40	a-55	65
Contact	1	10	22	30--35	40	47-----a-----58	65
IMGT	1	23	27	27-----38	41	56-----65	74
AHon	1	23	27	42		57	76
6B5	QVQLQQSGTELVRPGTSVKISCKAS	GFTFTNHWLG	WVKQRPQGHGLEWIG	DIYPGGYIINYNEKFKG			
3H5	QVQLQQSGAELVKPGASVRLSCKAS	GNFTFTNYWMH	WVKQRPQGQGLEWIG	MIHPNSGSTHYNEKFKN			
5B11	QVQLQQSGAELVKPGASVKLSCKAS	GNFTTSHWMH	WVKQRPQGQGLEWIG	MSHPNSGSSNYSKGFKS			
1C1	EVQLQQSGPELVKPGATVKMSCKAS	GYTFTRNVIH	WVKQKPGQGLEWIG	YINPYNDGAKYNAKFKG			
1C3	EVQLQQSGPELVKPGASVKMSCKAS	GYTFTSSVMH	WVKQKPGQALEWIG	YINPYNDGTYKYNENFKG			
1H2	QVQLQQPGAELVKPGASVKMSCKVS	GYTFTSYWIT	WVKQRPQGQGLEWIG	DIHPGGDTNYNKKFKS			
4F8	QVQLQQSGAELVRPGTSVTMSCKAA	GYTFTSNYWIG	WVKQRPQGHGLEWIG	DIYPGGFYDYNNDKFKG			
13G9	QVQLQQSGAELVRPGTSVKISCKAS	GYTFTNYWLG	WVKQRPQGHGLEWIG	DIYPGGDYNNNYNGKFKG			
14F4	QVQLQQSGAELVRPGTSVNMCKAT	GYTFTNYWIG	WVKQRPQGHGLEWIG	DIFPGGFYSNYNEKFKG			
14E9	QVQLQQSGAELVRPGTSVKMSCKAA	GYTFTNYWIG	WVKQRPQGHGLEWIG	DISPGNYYYTNYNKFKD			

FIG. 1A-1

Kabat	70	80	abc	90	95--100----	102	110
AbM	70	80	abc	90	95--100----	102	110
Chothia	70	80	abc	90	96-100----	101	110
Contact	70	80	abc	90	93-----100----	101	110
IMGT	75	89		105-----	117		
AHon				106 109	138		
6B5	KATLTADTSSSTAYMQLSLTSEDSAVYFCAR	HTNY-----	GSDY	WGQGTTLTVSS	(SEQ ID NO:25)		
3H5	KATLTVDKSSNTAYMQLSGLTSEDSAVYYCGA	TADY-----	VMDY	WGQGTSLTVSS	(SEQ ID NO:51)		
5B11	KATLTVDRSSSTAYMQLSLTSEDSAVYYCAR	TDYDY-----	DGDY	WGQGTTLTVSS	(SEQ ID NO:71)		
1C1	KATVTSDKSSSTAYMELSLTSEDSAVYYCAR	WGNYEDEF--	AMDY	WGQGTSLTVSS	(SEQ ID NO:97)		
1C3	KATLTSDRSSTAYMELSLTSEDSAVYYCVT	GAGYDRGPMAMDY		WGQGTSLTVSS	(SEQ ID NO:122)		
1H2	KATLTVDTSSSTAYMQLSLTSEDSAVYHCTS	DDNYV----	GFTY	WGQGTSLTVSA	(SEQ ID NO:144)		
4F8	KATLTTDTSSSTAYMQLSLTSEDSAIYYCTR	SGGLPGA--	GFTY	WGQGTSLTVSA	(SEQ ID NO:164)		
13G9	KATLTADTSSSTAYIQLSLTSEDSAVYFCVR	SD-----	DGYS	WGQGTTLTVSS	(SEQ ID NO:188)		
14F4	KATLTTDTSSSTGYMQLSLTSEDSAIYYCAR	IWDR-----	GFDY	WGQGTTLTVSS	(SEQ ID NO:203)		
14E9	KVSLTADTSSSTAYMQLSLTSEDSAIYYCAR	YD-----	EFAY	WGQGTSLTVSA	(SEQ ID NO:218)		

FIG. 1A-2

VL Domain

Kabat	1	10	20	20	24-27abcde-----34	40	50-----56
AbM	1	10	20	20	24-----30abcde---34	40	50-----56
Chothia	1	10	20	20	26--30abcde-32	40	50--
Contact	1	10	20	20	30abcde-----36	40	46-----55
IMGT	1		23	27	27-----38	41	56-65 69
AHon	1		23	42			
6B5	DVLM	TIPLSLPVS	IGDQASIS	RSSQ	SIVDSYGN-TFLE	WYLQ	KPGQSPKLLIY KVS
3H5	DIVL	TQTPLSLP	VNIGDQASIS	KSTK	SLNNSDGF-TYLD	WYLQ	KPGQSPQLLIN LVS
5B11	DVVL	TQTPLSLP	VNIGDQASIS	KSSK	SLNNSDGL-TYLD	WYLQ	KPGQSPQLLIY LVS
1C1	NIVL	TQSPPSLA	VSLGQRATIS	RASE	SVDIYGN--SYMH	WYQQ	KPGQPPKLLIY LAS
1C3	NIVL	TQSPASLA	VSLGQRATIS	RASE	SVDSYGD--SFVH	WYQQ	KPGQPPKLLIY FAS
1H2	DVLM	TQTPLSLP	VSLGDQASIS	RSSQ	TIHSDGN-TYLE	WYLQ	KPGQSPILLIY KVS
4F8	DVLM	TQTPLSLP	VSLGDQASIS	RSSQ	HIVYSDGN-TYLE	WYLQ	KPGQSPKLLIY KVS
13G9	DVLM	TQTPLSLP	VSLGDQASIS	RSSQ	SIVDSYGN-TYLE	WYQQ	KPGQSPDLLIY KVS
14F4	DVLM	TQSPSLP	VSLGDQASIS	RSSQ	SIVDSYGN-TYLE	WYLQ	KPGQSPKLLIY KVS
14E9	DVLM	TQTPLSLP	VSLGDQASIS	RSSQ	SIVHSDGN-TYLE	WYLQ	KPGQSPKLLIY KVS

FIG. 1B-1

Kabat	60	70	80	89-----97	
AbM	60	70	80	89-----97	
Chothia	60	70	80	91---96	
Contact	60	70	80	89-----96	
IMGT	70		89	105-----117	
AHon	73	91	107	138	
6B5	GVPDRFSGTGAGTDFTLKISRVEAEDLGVIYC	FQGSHPVPT	FGGGTKLEIK	(SEQ ID NO:26)	
3H5	GVPDRFSGSGTEFIFLKISRVEAEDLGVIYC	FQSNFLPLT	FGAGTKLELK	(SEQ ID NO:52)	
5B11	GVPDRFSGSGTDFTLKISRVEADDLGVIYC	FQSNFLPLT	FGAGTKLELK	(SEQ ID NO:72)	
1C1	GVPARFSGSGSRTEFSLTIDPVEAGDAATYIC	QNNEDPPT	FGGGTKLEIK	(SEQ ID NO:98)	
1C3	GVPARFSGSGSRTDFTLTIDPVEADDTATYIC	QNNNEVPPT	FGSGTKLELK	(SEQ ID NO:123)	
1H2	GVPDRFSGSGSGTDFTLKISRVEAEDLGVIYC	FQGSHPVPT	FGGGTKLEIK	(SEQ ID NO:145)	
4F8	GVPDRFSGSGSGTDFTLKISRVEAEDLGVIYC	FQGSHPVPT	FGGGTKLEIK	(SEQ ID NO:165)	
13G9	GVPDRFSGSGSGTDFTLKISRVEAEDLGVIYC	FQGSHPVPT	FGGTKVEIK	(SEQ ID NO:189)	
14F4	GVPDRFSGSGSGTDFTLKISRVEAEDRGLYIC	FQGSHPVPT	FGGGTKLEIK	(SEQ ID NO:204)	
14E9	GVPDRFSGSGSGTDFTLKISRVEAEDLGVIYC	FQGSHPVPT	FGGGTKLEIK	(SEQ ID NO:219)	

FIG. 1B-2

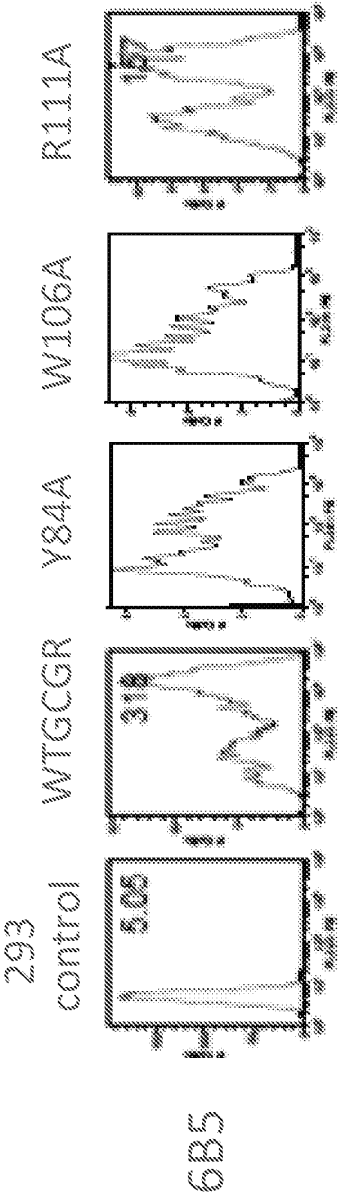


FIG. 2

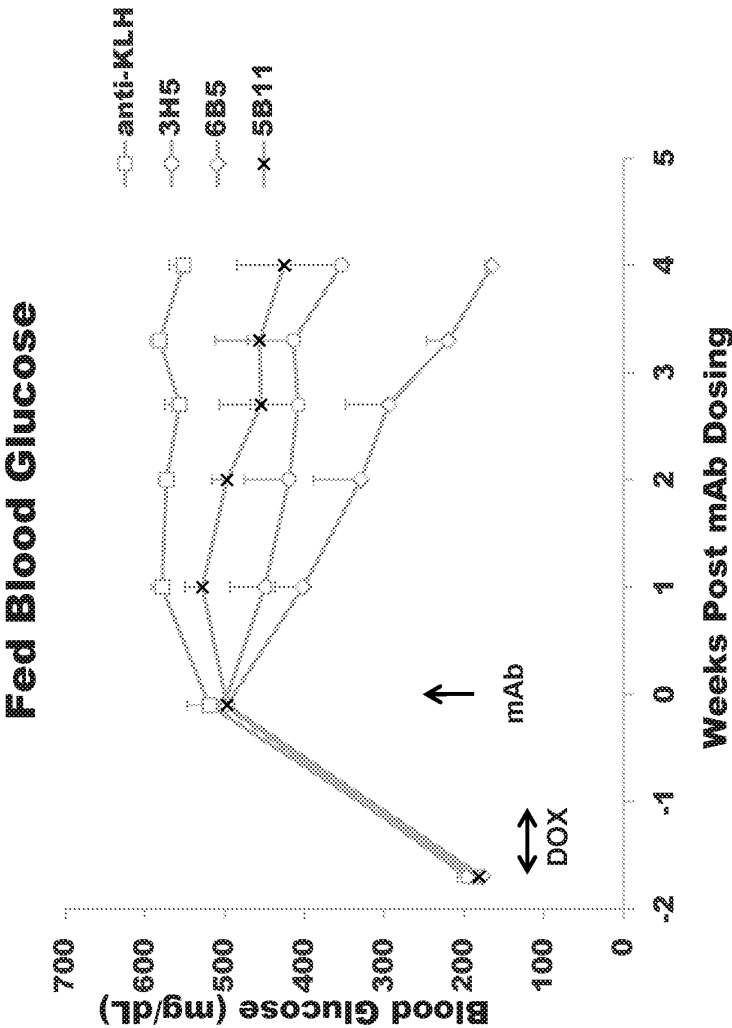


FIG. 3

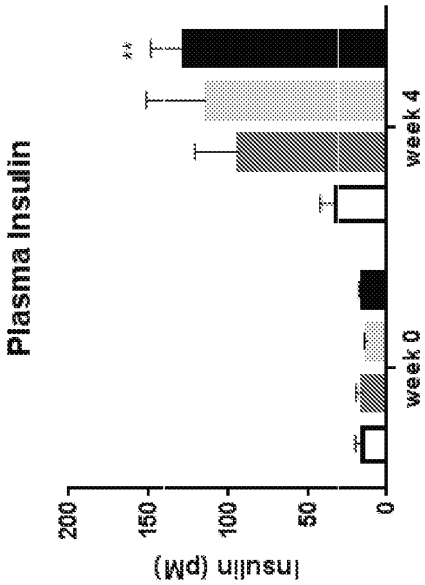


FIG. 4A

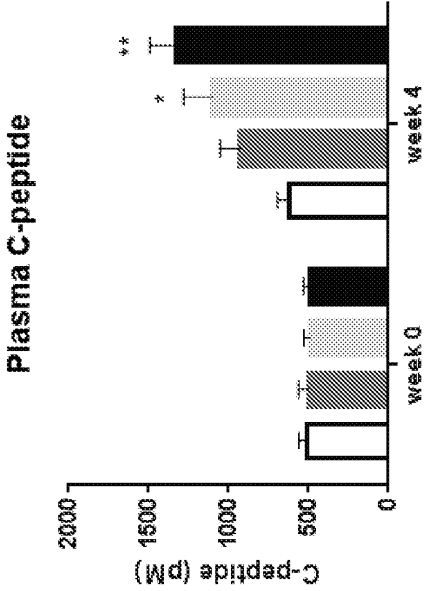


FIG. 4B

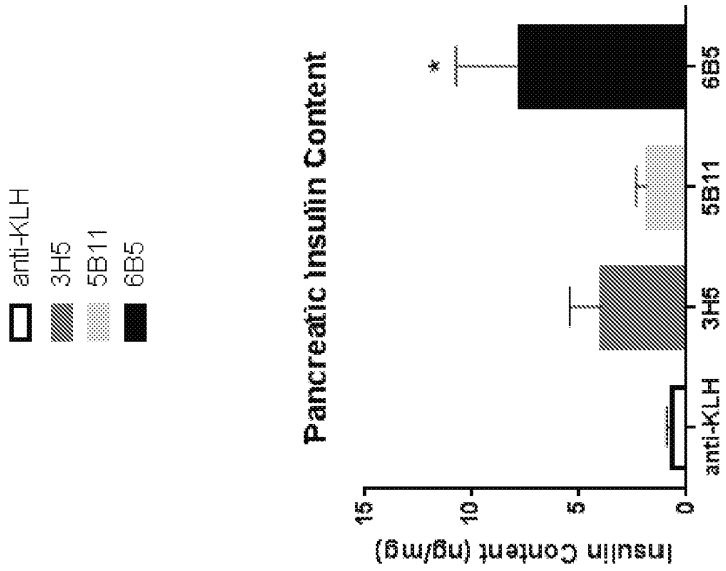


FIG. 4C

