

1C1 VH Domain									
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
IMGT	75	89			105	-----	-----	117	
AHon				106	109			138	
1C1	RLSISKD	NSKSVQFF	KMSSLQPN	DTAIYCAR	WALYFLY	GGSM	DY	WGQGT	SVTVSS
based on	IGHV4-59/IGHJ1-1								
HC-349a	RVTISVD	TSKNQFSL	KLSSVTA	ADTAVYYCAR	WALYFLY	GGSM	DY	WGQGT	LVTVSS
HC-349b	RVTISKD	TSKNQFSL	KLSSVTA	ADTAVYYCAR	WALYFLY	GGSM	DY	WGQGT	LVTVSS
HC-349c	RLTISVD	TSKNQVSL	KLSSVQA	ADTAVYYCAR	WALYFLY	GGSM	DY	WGQGT	LVTVSS
HC-349d	RVTISKD	NSQFSL	KLSSVTA	QD ¹ AVYYCAR	WALYFLY	GGSM	DY	WGQGT	LVTVSS
HC-349e	RLTISKD	TSKNQFSL	KMSVTA	ADTAVYYCAR	WALYFLY	GGSM	DY	WGQGT	LVTVSS
HC-349f	RLTISKD	TSKNQV	SKMSSL	TAADTAVYYCAR	WALYFLY	GGSM	DY	WGQGT	LVTVSS
HC-350a	RVTISR	DTSKNQFSL	KLSSVTA	ADTAVYYCAR	WALYFLY	GGSM	DY	WGQGT	LVTVSS
HC-350b	RVTISR	DTSKSQFSL	KLSSVTA	ADTAVYYCAR	WALYFLY	GGSM	DY	WGQGT	LVTVSS
HC-350c	RLTISR	DTSKSQV	SKLSSVTA	ADTAVYYCAR	WALYFLY	GGSM	DY	WGQGT	LVTVSS

	1	10	20	24-27abcde-----34	40	50-----56
Kabat	1	10	20	24-27abcde-----34	40	50-----56
AbM	1	10	20	24-----30abcde--34	40	50-----56
Chothia	1	10	20	26--30abcd-32	40	50--
Contact	1	10	20	30abcde-----36	40	46-----55
IMGT	1	23	23	27-----38	41	56-65 69
AHon	1	23	23	42	58	72
1C1	DVVL	TQ	PLSL	PVSPGDQASIS	RSSQ	SLVHSSGITYLH WYLQKPGQSPKLLIY KLSNRFS
based on	IGKV2-30/IGKJ4-1					
LC-349a	DVVM	TQSP	LSL	PVTLGQPASIS	RSSQ	SLVHSSGITYLH WFQORPGQSPRRLIY KLSNRFS
LC-349b	DVVL	TQSP	LSL	PVTLGQPASIS	RSSQ	SLVHSSGITYLH WYQORPGQSPRRLIY KLSNRFS
LC-349c	DVVL	TQSP	LSL	PVTLGQPASIS	RSSQ	SLVHSSGITYLH WYQORPGQSPKLLIY KLSNRFS
LC-349d	DVVL	TQSP	LSL	PVTLGDPASIS	RSSQ	SLVHSSGITYLH WYQKPGQSPKLLIY KLSNRFS
LC-350a	DVVL	TQ	TPSL	PVSPGDQASIS	RSSQ	SLVHSSGITYLH WYLQKPGQSPKLLIY KLSNRFS
LC-350b	DIVM	TQ	TPSL	PVSPGDQASIS	RSSQ	SLVHSSGITYLH WYLQKPGQSPKLLIY KLSNRFS

FIG. 1B (continued)

1C1 VL Domain				
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
1C1	GVPDRFSGSGGTDFTLKISRVEAEDLGVYFC SQSTHVPPWT FGGGTKLEIK (1928)			
based on IGKV2-30/IGKJ4-1				
LC-349a	GVPDRFSGSGGTDFTLKISRVEAEDVGYYC SQSTHVPPWT FGGGTKVEIK (1929)			
LC-349b	GVPDRFSGSGGTDFTLKISRVEAEDVGYYC SQSTHVPPWT FGGGTKVEIK (1930)			
LC-349c	GVPDRFSGSGGTDFTLKISRVEAEDVGYYC SQSTHVPPWT FGGGTKVEIK (1931)			
LC-349d	GVPDRFSGSGGTDFTLKISRVEAEDVGYYC SQSTHVPPWT FGGGTKVEIK (1932)			
LC-350a	GVPDRFSGSGGTDFTLKISRVEAEDLGVYFC SQSTHVPPWT FGGGTKLEIK (1933)			
LC-350b	GVPDRFSGSGGTDFTLKISRVEAEDLGVYFC SQSTHVPPWT FGGGTKLEIK (1934)			

25M22 VH Domain									
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			
25M22	KATLTADKSS	TAYMQLSSL	TSEDS	AVYFCAR	AYLLRLRRT	GYAMDY	WGQGT	SVTVSS	(1935)
based on	IGHV5-51/IGHJ6								
HC-389a	QVTISADK	SISTAYLQWSSL	KASD	TAMYYCAR	AYLLRLRRT	GYAMDY	WGQGT	TVTVSS	(1936)
HC-389b	QATISADK	SISTAYLQWSSL	KASD	TAMYYCAR	AYLLRLRRT	GYAMDY	WGQGT	TVTVSS	(1937)
HC-389c	QATLSADK	SISTAYLQWSSL	KASD	TAMYYCAR	AYLLRLRRT	GYAMDY	WGQGT	TVTVSS	(1938)
based on	IGHV1-69/IGHJ6								
HC-390a	RVTITADE	STSTAYMELSSL	RSED	TAVYYCAR	AYLLRLRRT	GYAMDY	WGQGT	TVTVSS	(1939)
HC-390b	RATITADE	STSTAYMELSSL	RSED	TAVYYCAR	AYLLRLRRT	GYAMDY	WGQGT	TVTVSS	(1940)
HC-390c	RATLTADK	STSTAYMELSSL	RSED	TAVYYCAR	AYLLRLRRT	GYAMDY	WGQGT	TVTVSS	(1941)

	1	10	20	24-27abcde-----34	40	50-----56
Kabat	1	10	20	24-27abcde-----34	40	50-----56
AbM	1	10	20	24-----30abcde--34	40	50-----56
Chothia	1	10	20	26--30abcd-32	40	50--
Contact	1	10	20	30abcde-----36	40	46-----55
IMGT	1	23	23	27-----38	41	56-65 69
AHon	1	23	23	42	58	72
25M22	DVVL	TQTPLSLPVNIGDQASIS	KSTKSLLNSDEFTYLD	WY	LQKPGQSPQLLI	F LVSNRFS
based on	IGKV2-30/IGKJ4					
LC-389a	DVMT	QSPSLPVTLGQPASIS	KSTKSLLNSDEFTYLD	WF	QQRPGQSPRRLI	Y LVSNRFS
LC-389b	DVVL	TQSPSLPVTLGQPASIS	KSTKSLLNSDEFTYLD	WF	QQRPGQSPRLLI	Y LVSNRFS
LC-389c	DVVL	TQSPSLPVTLGQPASIS	KSTKSLLNSDEFTYLD	WY	QQRPGQSPRLLI	F LVSNRFS
based on	IGKV3-20/IGKJ4					
LC-390a	EIVL	TQSPGTLSLSPGERATLSC	KSTKSLLNSDEFTYLD	WY	QKPGQAPRLLI	Y LVSNRFS
LC-390b	EVL	TQSPGTLSLSPGERATLSC	KSTKSLLNSDEFTYLD	WY	QKPGQAPRLI	F LVSNRFS

FIG. 2B (continued)

25M22 VL Domain				
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	138	107 138
25M22	GVPDRFSGSGGTDFTLKISRVEAEDLGYYC FQSNYLPYT FGGGTKLEIK (1942)			
based on	IGKV2-30/IGKJ4			
LC-389a	GVPDRFSGSGGTDFTLKISRVEAEDVGYYC FQSNYLPYT FGGGTKVEIK (1943)			
LC-389b	GVPDRFSGSGGTDFTLKISRVEAEDVGYYC FQSNYLPYT FGGGTKVEIK (1944)			
LC-389c	GVPDRFSGSGGTDFTLKISRVEAEDVGYYC FQSNYLPYT FGGGTKVEIK (1945)			
based on	IGKV3-20/IGKJ4			
LC-390a	GIPDRFSGSGGTDFTLTISRLEPEDFAVYYC FQSNYLPYT FGGGTKVEIK (1946)			
LC-390b	GIPDRFSGSGGTDFTLTISRLEPEDFAVYYC FQSNYLPYT FGGGTKVEIK (1947)			

17J16 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-----38	41	56-----65	74
AHon	1		23	27	42	57	76
17J16	QVQLVQSGAEVKKPGSSVKVCKAS GYFTDYWIH WVKQRPQGLEWIG YINPNSYAEYNQKFKV						
based on	IGHV1-69/IGHJ6						
HC-356a	QVQLVQSGAEVKKPGSSVKVCKAS GYFTDYWIH WVRQAPQGQLEWMG YINPNSYAEYNQKFKV						
HC-356b	QVQLVQSGAEVKKPGSSVKVCKAS GYFTDYWIH WVRQAPQGQLEWIG YINPNSYAEYNQKFKV						
HC-356c	QVQLVQSGAEVKKPGSSVKVCKAS GYFTDYWIH WVRQAPQGQLEWIG YINPNSYAEYNQKFKV						
HC-356d	QVQLVQSGAEVKKPGSSVKVCKAS GYFTDYWIH WVKQAPQGQLEWIG YINPNSYAEYNQKFKV						
Kabat	70	80	abc	90	95-----102	110	
AbM	70	80	abc	90	95-----102	110	
Chothia	70	80	abc	90	96---101	110	
Contact	70	80	abc	90	93-----101	110	
IMGT	75	89			105-----117		
AHon				106	109	138	
17J16	KATLTADKSSSTAYLQLSRLTSEDSAVYYCAR FDWNWYFHV WGAGSTVTVSS (1948)						
based on	IGHV1-69/IGHJ6						
HC-356a	RVTITADESTSTAYMELSSLRSEDTAVYYCAR FDWNWYFHV WQGGTTVTVSS (1949)						
HC-356b	RVTITADESTSTAYMELSLRSEDTAVYYCAR FDWNWYFHV WQGGTTVTVSS (1950)						
HC-356c	RATLTADESTSTAYLELSRLRSEDTAVYYCAR FDWNWYFHV WQGGTTVTVSS (1951)						
HC-356d	RATLTADESSSTAYLELSRLRSEDTAVYYCAR FDWNWYFHV WQGGTTVTVSS (1952)						

FIG. 3B

17J16 VL Domain									
Kabat	1	10	20	24-27abcde-----34	40			50-----56	
AbM	1	10	20	24-----30abcde--34	40			50-----56	
Chothia	1	10	20	26--30abcd-32	40			50--	
Contact	1	10	20	30abcde-----36	40		46-----55		
IMGT	1		23	27-----38	41			56-65	69
AHon	1		23		42				
17J16 b1	DVALTQIPLTTLSTVVGQPASISC			KSSQSLSDSDGKTYLN				58	72
based on	IGKV2-30/IGKJ4							WLLQKPGQSPKRLIY	LVSRLGS
LC-356a	DVMTQSPSLSPVTILGQPASISC			KSSQSLSDSDGKTYLN				WFQQRPGQSPRRLIY	LVSRLGS
LC-356b	DVVL T QSPSLSPVTILGQPASISC			KSSQSLSDSDGKTYLN				W L QQRPGQSPRRLIY	LVSRLGS
LC-356c	DV AL TQSPSLSPVTILGQPASISC			KSSQSLSDSDGKTYLN				W L QQRPGQSP K RRLIY	LVSRLGS
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				
17J16	GVPDRFTGSGSGADFTLKISRVEAEDLGVVYC			WQGFHFPQT				FGGGTKLEIK	(1953)
based on	IGKV2-30/IGKJ4								
LC-356a	GVPDRFSGSGSGTDFTLKISRVEAEDVGVVYC			WQGFHFPQT				FGGGTKVEIK	(1954)
LC-356b	GVPDRFSGSGSGTDFTLKISRVEAEDVGVVYC			WQGFHFPQT				FGGGTKVEIK	(1955)
LC-356c	GVPDRFSGSGSG A DFTLKISRVEAEDVGVVYC			WQGFHFPQT				FGGGTKVEIK	(1956)

FIG. 4A

5F12 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-----38		41	56-----65		74	
AHon	1		23	27		42	57		76	
5F12	QVQLKQSGTELVRLPGASVKLSCKAS GYTFDDYYIN WVKQRPQGQGLEWIA RIYPGNGNTYHNEKFKG									
based on IGHV1-69/IGHJ1-1										
HC-375a	QVQLVQSGAEVKKPKGSSVKVSKAS GYTFDDYYIN WVRQAPGGQGLEWMG RIYPGNGNTYHNEKFKG									
HC-375b	QVQLVQSGAEVKKPKGSSVKVSKAS GYTFDDYYIN WVRQAPGGQGLEWIG RIYPGNGNTYHNEKFKG									
HC-375c	QVQLVQSGAEVKKPKGSSVKVSKAS GYTFDDYYIN WVRQAPGGQGLEWIG RIYPGNGNTYHNEKFKG									
HC-375d	QVQLVQSGAEVKKPKGSSVKVSKAS GYTFDDYYIN WVRQAPGGQGLEWIG RIYPGNGNTYHNEKFKG									
HC-375e	QVQLVQSGAEVKKPKGSSVKVSKAS GYTFDDYYIN WVRQAPGGQGLEWMG RIYPGNGNTYHNEKFKG									
HC-375f	QVQLVQSGAEVKKPKGSSVKVSKAS GYTFDDYYIN WVKQAPGGQGLEWIG RIYPGNGNTYHNEKFKG									
HC-375g	QVQLVQSGAEVKKPKGSSVKVSKAS GYTFDDYYIN WVRQAPGGQGLEWIA RIYPGNGNTYHNEKFKG									
based on IGHV1-3/IGHJ1-1										
HC-375h	QVQLVQSGAEVKKPKGASVKVSKAS GYTFDDYYIN WVRQAPGQRLEWIA RIYPGNGNTYHNEKFKG									

FIG. 4A (continued)

5F12 VH Domain									
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			
5F12	KATLTAEKSSSTAYMQLSLTS	SDSAVYFCAR	EGLYYDYDRYFDY	WGQGTALT	VSS	(1957)			
based on	IGHV1-69/IGHJ1-1								
HC-375a	RVITADESTSTAYMELSSL	RSED	TAVYYCAR	EGLYYDYDRYFDY	WGQGTALT	VSS	(1958)		
HC-375b	RVITADESTSTAYMELSSL	RSED	TAVYYCAR	EGLYYDYDRYFDY	WGQGTALT	VSS	(1959)		
HC-375c	RVITADKSTSTAYMELSSL	RSED	TAVYYCAR	EGLYYDYDRYFDY	WGQGTALT	VSS	(1960)		
HC-375d	RATLTADKSTSTAYMELSSL	RSED	TAVYYCAR	EGLYYDYDRYFDY	WGQGTALT	VSS	(1961)		
HC-375e	RATLTADESTSTAYMELSSL	RSED	TAVYYCAR	EGLYYDYDRYFDY	WGQGTALT	VSS	(1962)		
HC-375f	RATLTADESTSTAYMELSSL	RSED	TAVYYCAR	EGLYYDYDRYFDY	WGQGTALT	VSS	(1963)		
HC-375g	RATLTADKSTSTAYMELSSL	RSED	TAVYYCAR	EGLYYDYDRYFDY	WGQGTALT	VSS	(1964)		
based on	IGHV1-3/IGHJ1-1								
HC-375h	RATLTRDKSASTAYMELSSL	RSED	TAVYYCAR	EGLYYDYDRYFDY	WGQGTALT	VSS	(1965)		

FIG. 4B

[illegible]

FIG. 4B (continued)

5F12 VL Domain				
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	138	
5F12	GVPARFSGSGSRTDFTLTIDPVEADDAATYYC HQNNEDPPA FGGGTKLEIK (1966)			
based on	IGKV4-1/IGKJ4-1			
LC-375a	GVPDRFSGSGSGTDFTLTISLQAEDVAVYYC HQNNEDPPA FGGGTKVEIK (1967)			
LC-375b	GVPDRFSGSGSGTDFTLTISVQAEDVAVYYC HQNNEDPPA FGGGTKVEIK (1968)			
LC-375g	GVPDRFSGSGSRTDFTLTISLQAEDVAVYYC HQNNEDPPA FGGGTKVEIK (1969)			
based on	IGKV1-39/IGKJ4-1			
LC-375c	GVPSRFSGSGSGTDFTLTISLQPEDFATYYC HQNNEDPPA FGGGTKVEIK (1970)			
LC-375d	GVPSRFSGSGSGTDFTLTISVQPEDFATYYC HQNNEDPPA FGGGTKVEIK (1971)			
based on	IGKV3-11/IGKJ4-1			
LC-375e	GIPARFSGSGSGTDFTLTISLQPEDFATYYC HQNNEDPPA FGGGTKVEIK (1972)			
LC-375f	GVPARFSGSGSGTDFTLTISVEPEDFATYYC HQNNEDPPA FGGGTKVEIK (1973)			
based on	IGKV2-30/IGKJ4-1			
LC-375h	GVPDRFSGSGSGTDFTLKISRVEAEDVGVYYC HQNNEDPPA FGGGTKVEIK (1974)			
LC-375i	GVPDRFSGSGSGTDFTLKISRVEAEDVGVYYC HQNNEDPPA FGGGTKVEIK (1975)			
LC-375j	GVPDRFSGSGSRTDFTLKISRVEAEDVGVYYC HQNNEDPPA FGGGTKVEIK (1976)			

FIG. 5A (continued)

3P10 VH Domain									
Kabat	70	80	abc	90	95-----102				110
AbM	70	80	abc	90	95-----102				110
Chothia	70	80	abc	90	96---101				110
Contact	70	80	abc	90	93-----101				110
IMGT	75	89			105-----117				
AHon				106 109	138				
3P10	RFAFSLETSASSASLQINNLIKNEDTATYFCAR RYGPEDIDY WGQGTTLTVSS (1977)								
based on	IGHV1-69/IGHJ6-1								
HHC-344a	RVTITADEST	STAYMELSS	LRSED	TAVVYCAR	RYGPEDIDY				WGQGTTLTVSS (1978)
HHC-344b	RFTITLDEST	STAYMELSS	LRSED	TAVVYCAR	RYGPEDIDY				WGQGTTLTVSS (1979)
HHC-344c	RFTFTLDEST	STAYMELSS	LRSED	TAVVYCAR	RYGPEDIDY				WGQGTTLTVSS (1980)
HHC-344d	RVTFTADEST	STAYMELSN	LRSED	TAVYFCAR	RYGPEDIDY				WGQGTTLTVSS (1981)
HHC-344e	RVTFTADEST	STAYMELSS	LRSED	TAVVYCAR	RYGPEDIDY				WGQGTTLTVSS (1982)
HHC-344f	RVTITADEST	STAYMELSS	LRSED	TAVVYCAR	RYGPEDIDY				WGQGTTLTVSS (1983)
HHC-344g	RVTFTADEST	STAYMELSS	LRSED	TAVVYCAR	RYGPEDIDY				WGQGTTLTVSS (1984)
HHC-344h	RVTFTADEST	STAYMELSS	LRSED	TAVVYCAR	RYGPEDIDY				WGQGTTLTVSS (1985)
HHC-345a	RVTLTADT	STDTAYMELSS	LRSED	TAVYFCAR	RYGPEDIDY				WGQGTMTVSS (1986)
HHC-345b	RFTFTADT	STDTAYMELSS	LRSED	TAVYFCAR	RYGPEDIDY				WGQGTMTVSS (1987)
HHC-345c	RFTFTADT	STDTAYLELSS	LRSED	TAVYFCAR	RYGPEDIDY				WGQGTMTVSS (1988)

FIG. 5B

3P10 VL Domain									
Kabat	1	10	20	24-27abcd-----34	40	50-----56			
AbM	1	10	20	24-----30abcd--34	40	50-----56			
Chothia	1	10	20	26--30abcd32	40	50--			
Contact	1	10	20	30abcd-----36	40	46-----55			
IMGT	1		23	27-----38	41	56-65	69		
AHon	1		23		42				
3P10				RASESVDNYGISFMS		WFQQRPGQPPKLLIY	AASHQGS		
based on IGKV2-30/IGKJ4-1									
LC-344a				RASESVDNYGISFMS		WFQQRPGQSPRRLIY	AASHQGS		
LC-344b				RASESVDNYGISFMS		WFQQRPGQSPRLLIY	AASHQGS		
LC-344c				RASESVDNYGISFMS		WFQQRPGQSPRLLIY	AASHQGS		
LC-344d				RASESVDNYGISFMS		WFQQRPGQSPRLLIY	AASHQGS		
LC-344e				RASESVDNYGISFMS		WFQQRPGQSPRLLIY	AASHQGS		
LC-344f				RASESVDNYGISFMS		WFQQRPGQSPRRLIY	AASHQGS		
LC-344g				RASESVDNYGISFMS		WFQQRPGQSPRLLIY	AASHQGS		
LC-344h				RASESVDNYGISFMS		WFQQRPGQSPRLLIY	AASHQGS		
LC-344i				RASESVDNYGISFMS		WFQQRPGQSPRLLIY	AASHQGS		
LC-345a				RASESVDNYGISFMS		WYQQRPGQPPKLLIY	AASHQGS		
LC-345b				RASESVDNYGISFMS		WYQQRPGQPPKLLIY	AASHQGS		

FIG. 5B (continued)

3P10 VL Domain				
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	138	
3P10	GVPARFSGSGGTDFTSLNIHPMEEDDSAMYFC LQSKVEPWT FGGGTKLEIK (1989)			
based on	IGKV2-30/IGKJ4-1			
LC-344a	GVPDRFSGSGGTDFTLKISRVEAEDVGVYYC LQSKVEPWT FGGGTKVEIK (1990)			
LC-344b	GVPDRFSGSGGTDFTLKISRVEAEDVGVYYC LQSKVEPWT FGGGTKVEIK (1991)			
LC-344c	GVPDRFSGSGGTDFTLKISRVEAEDVGVYFC LQSKVEPWT FGGGTKVEIK (1992)			
LC-344d	GVPDRFSGSGGTDFTLKISRVEAEDVGVYYC LQSKVEPWT FGGGTKVEIK (1993)			
LC-344e	GVPDRFSGSGGTDFTLKISRVEAEDVGVYYC LQSKVEPWT FGGGTKVEIK (1994)			
LC-344f	GVPDRFSGSGGTDFTLKISRVEAEDVGVYYC LQSKVEPWT FGGGTKVEIK (1995)			
LC-344g	GVPDRFSGSGGTDFTLKISRVEAEDVGVYYC LQSKVEPWT FGGGTKVEIK (1996)			
LC-344h	GVPDRFSGSGGTDFTLKISRVEAEDVGVYFC LQSKVEPWT FGGGTKVEIK (1997)			
LC-344i	GVPDRFSGSGGTDFTLKISRVEAEDVGVYFC LQSKVEPWT FGGGTKVEIK (1998)			
LC-345a	GIPVRFSGSGGTDFTLNHPVEEEDAATYYC LQSKVEPWT FGSGTKLEIK (1999)			
LC-345b	GIPVRFSGSGGTDFTLNHPVEEEDAATYYC LQSKVEPWT FGSGTKLEIK (2000)			

FIG. 6

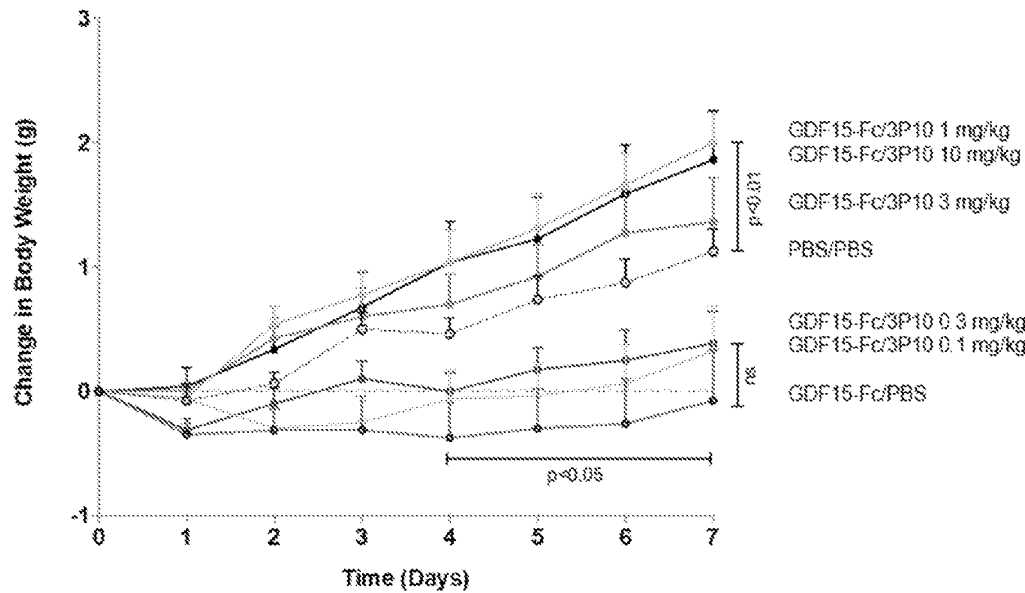


FIG. 7

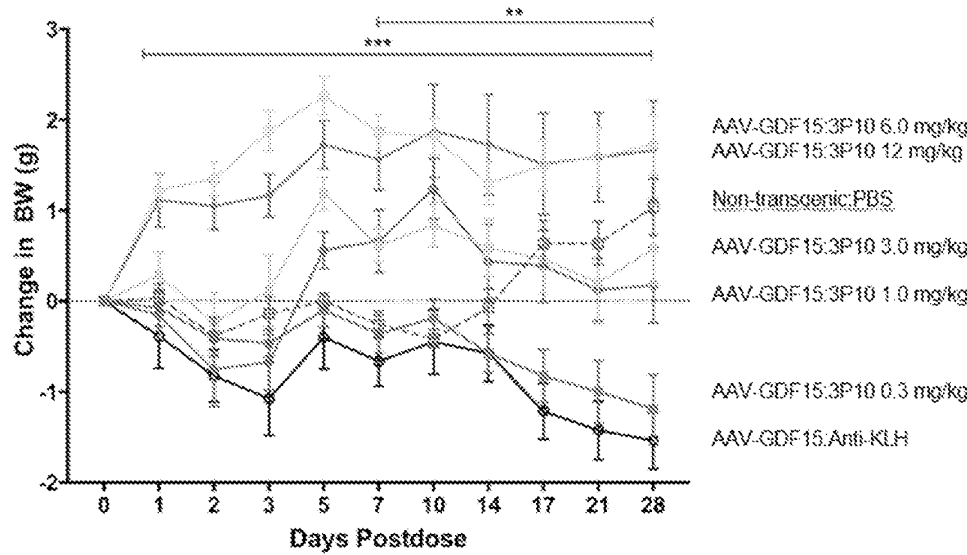


FIG. 8

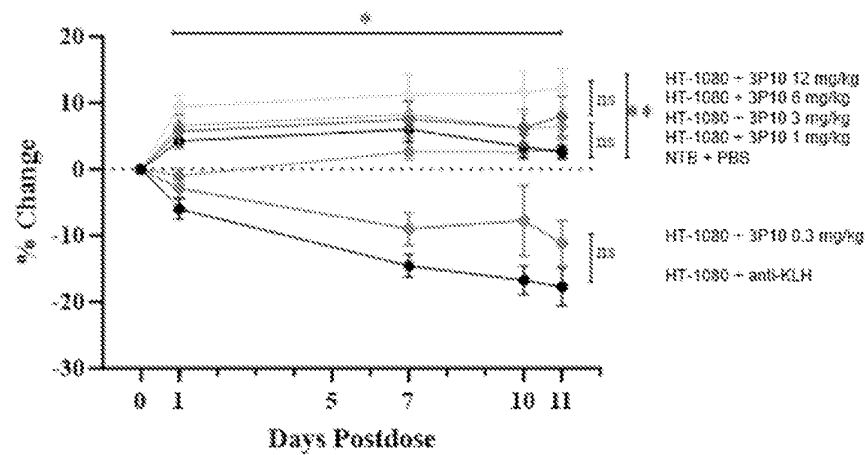


FIG. 9

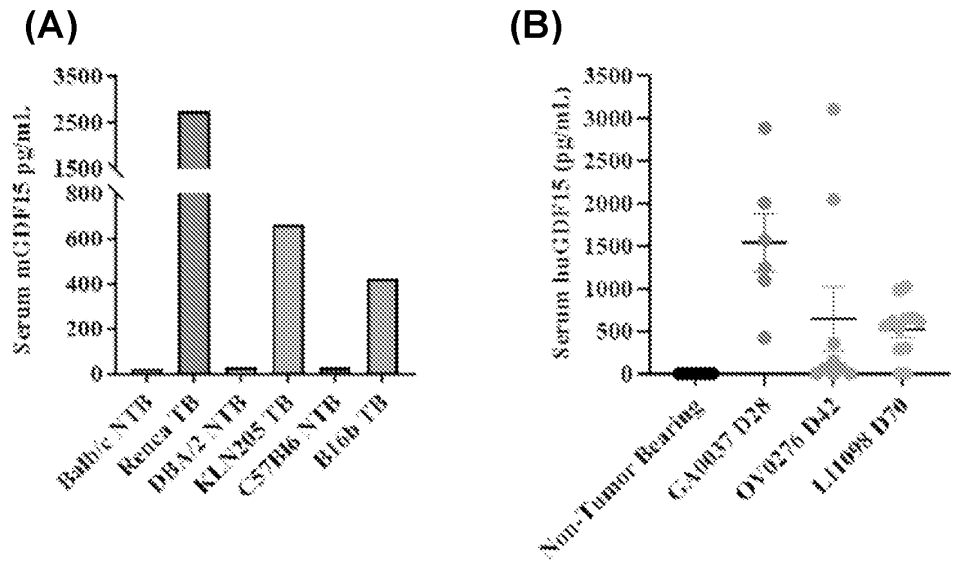


FIG. 10

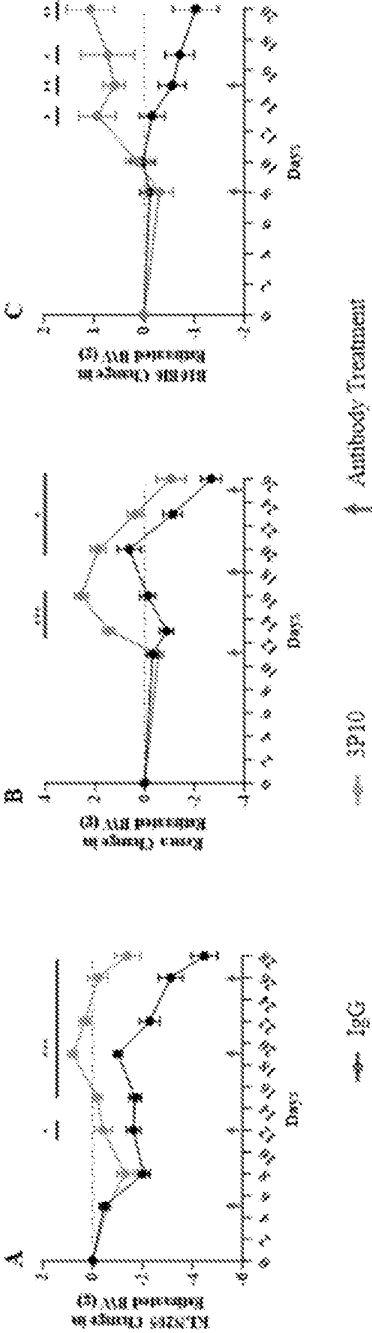


FIG. 11

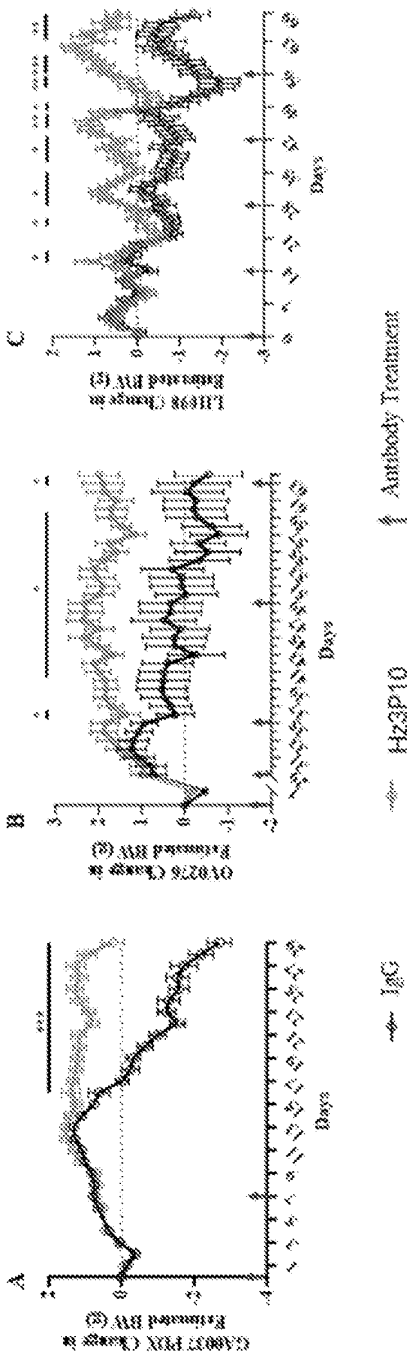


FIG. 12

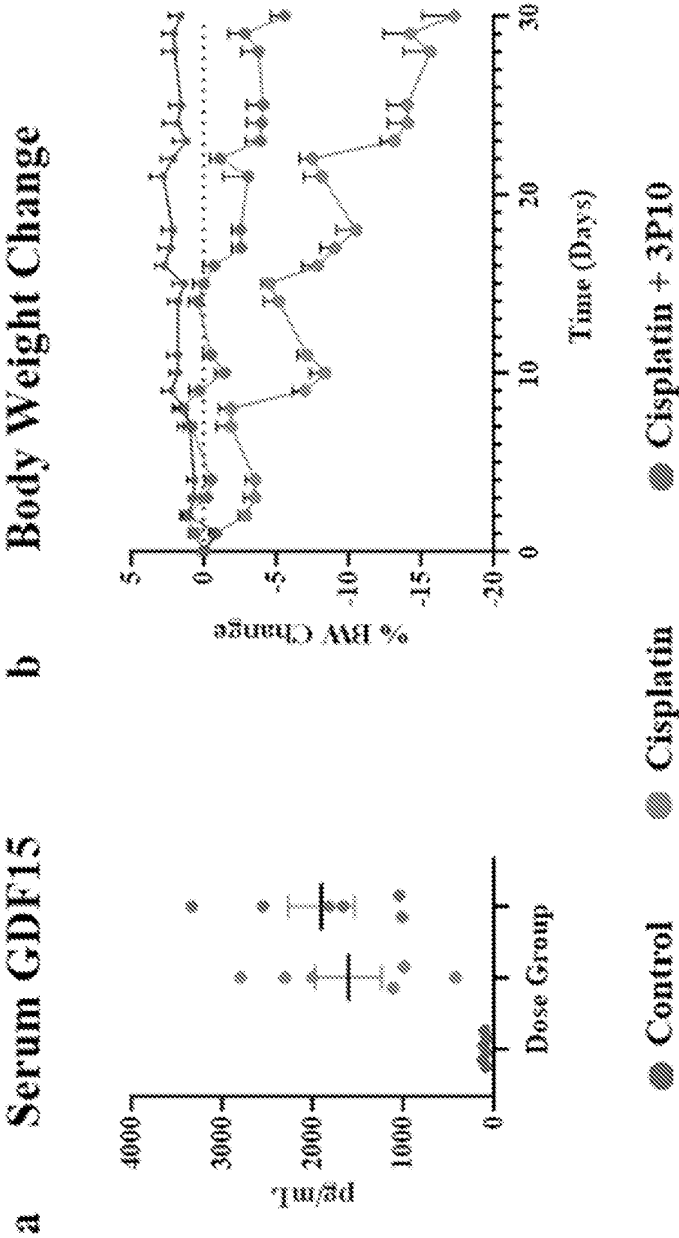


FIG. 13

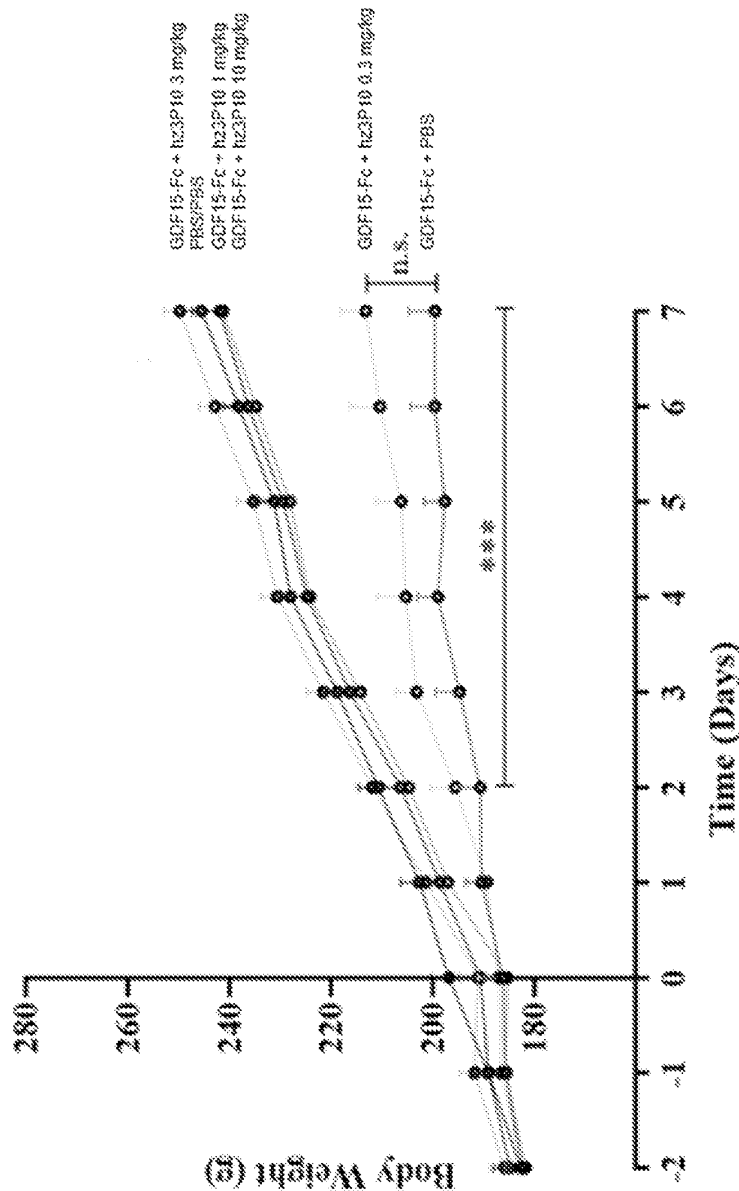


FIG. 14

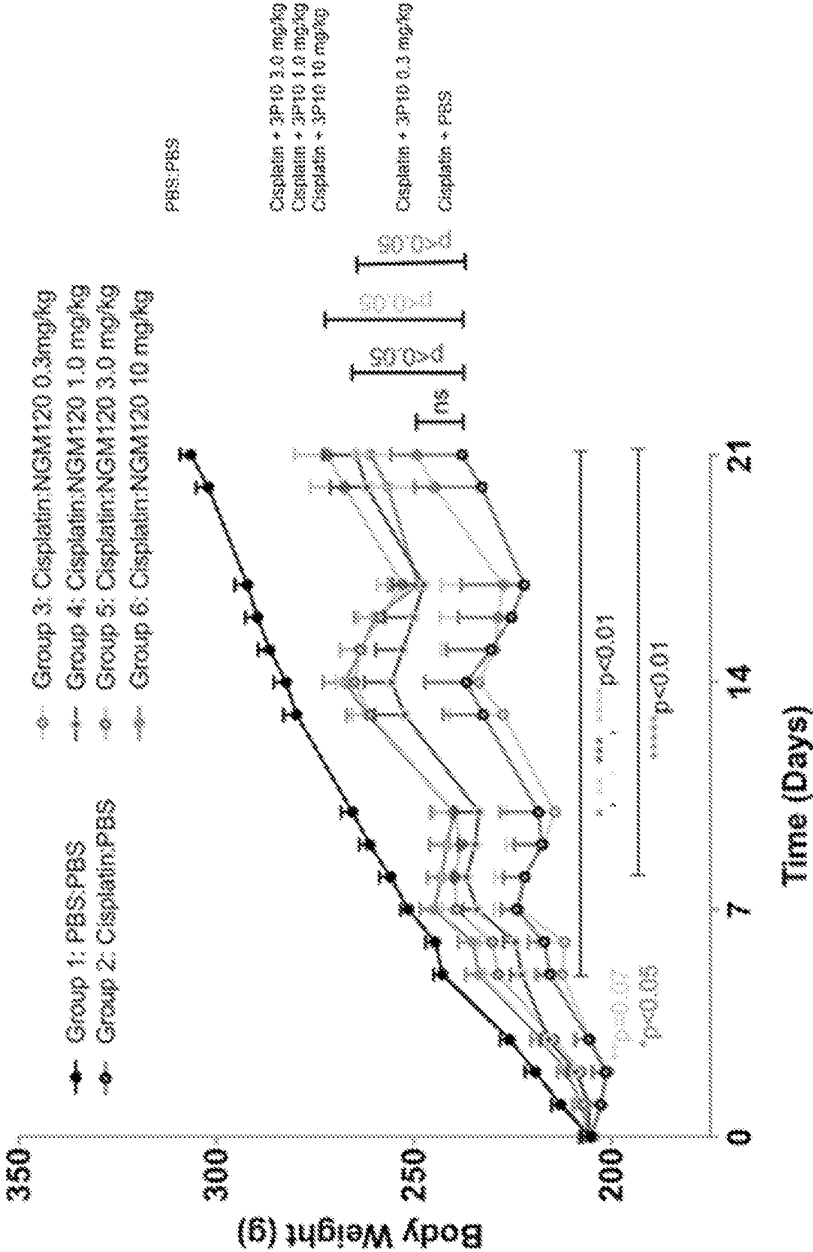


FIG. 15

