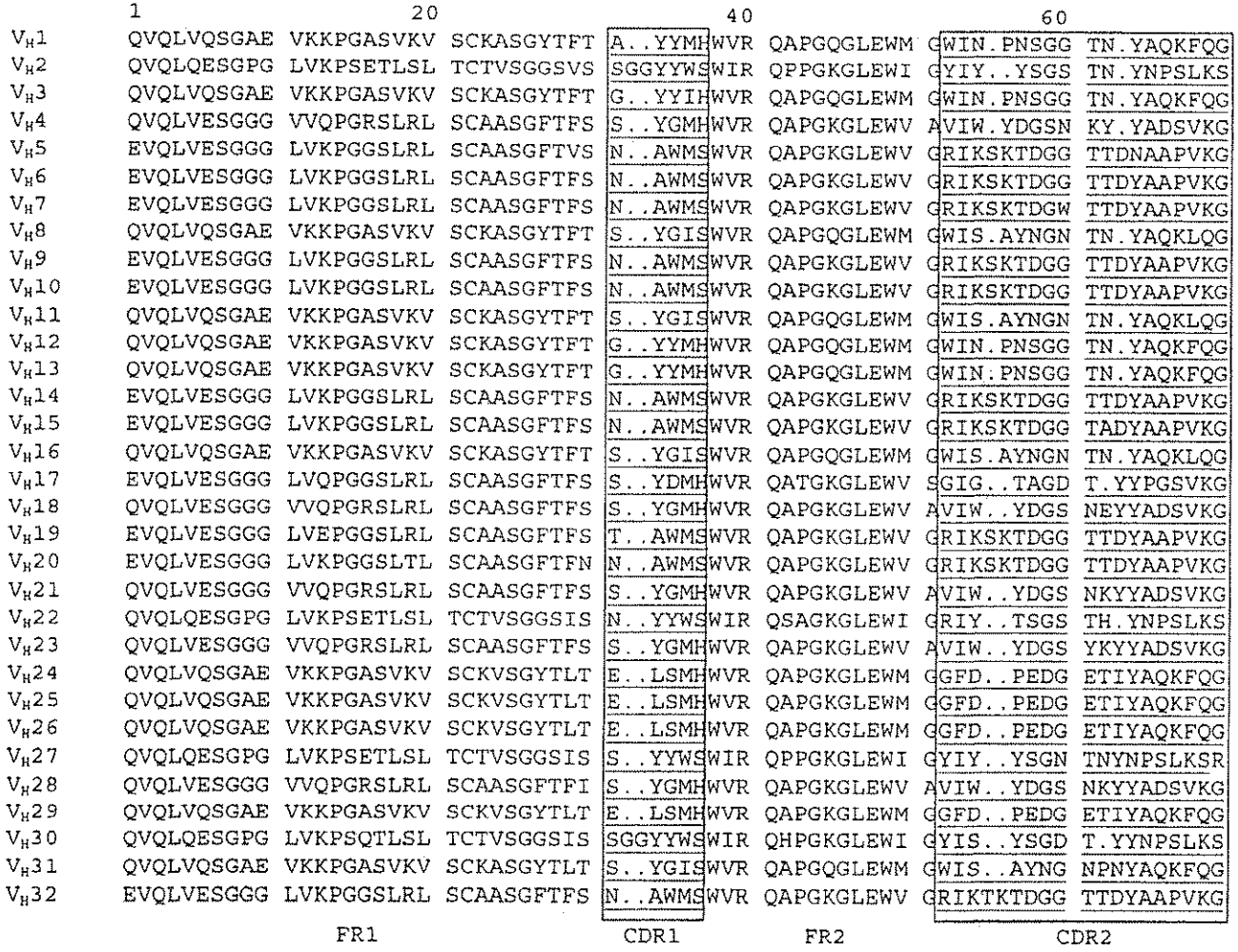

1
20
40
60
VH1 QVQLVQSGAE VKKPGASVKV SCKASGYTFT A..YYMH WVR QAPGQGLEWM GWIN.PNSGG TN.YAQKFQG
VH2 QVQLQESGPG LVKPSETLSL TCTVSGGSVS SGGYYWS WIR QPPGKGLEWI GYIY..YSGS TN.YNPSLKS
VH3 QVQLVQSGAE VKKPGASVKV SCKASGYTFT G..YYIH WVR QAPGQGLEWM GWIN.PNSGG TN.YAQKFQG
VH4 QVQLVESGGG VVQPGRSLRL SCAASGFTFS S..YGMH WVR QAPGKGLEWV AVIW.YDGSN KY.YADSVKG
VH5 EVQLVESGGG LVKPGGSLRL SCAASGFTVS N..AWMS WVR QAPGKGLEWV GRIKSKTDGG TTDNAAPVKG
VH6 EVQLVESGGG LVKPGGSLRL SCAASGFTFS N..AWMS WVR QAPGKGLEWV GRIKSKTDGG TTDYAAPVKG
VH7 EVQLVESGGG LVKPGGSLRL SCAASGFTFS N..AWMS WVR QAPGKGLEWV GRIKSKTDGW TTDYAAPVKG
VH8 QVQLVQSGAE VKKPGASVKV SCKASGYTFT S..YGIS WVR QAPGQGLEWM GWIS.AYNGN TN.YAQKLQG
VH9 EVQLVESGGG LVKPGGSLRL SCAASGFTFS N..AWMS WVR QAPGKGLEWV GRIKSKTDGG TTDYAAPVKG
VH10 EVQLVESGGG LVKPGGSLRL SCAASGFTFS N..AWMS WVR QAPGKGLEWV GRIKSKTDGG TTDYAAPVKG
VH11 QVQLVQSGAE VKKPGASVKV SCKASGYTFT S..YGIS WVR QAPGQGLEWM GWIS.AYNGN TN.YAQKLQG
VH12 QVQLVQSGAE VKKPGASVKV SCKASGYTFT G..YYMH WVR QAPGQGLEWM GWIN.PNSGG TN.YAQKFQG
VH13 QVQLVQSGAE VKKPGASVKV SCKASGYTFT G..YYMH WVR QAPGQGLEWM GWIN.PNSGG TN.YAQKFQG
VH14 EVQLVESGGG LVKPGGSLRL SCAASGFTFS N..AWMS WVR QAPGKGLEWV GRIKSKTDGG TTDYAAPVKG
VH15 EVQLVESGGG LVKPGGSLRL SCAASGFTFS N..AWMS WVR QAPGKGLEWV GRIKSKTDGG TADYAAPVKG
VH16 QVQLVQSGAE VKKPGASVKV SCKASGYTFT S..YGIS WVR QAPGQGLEWM GWIS.AYNGN TN.YAQKLQG
VH17 EVQLVESGGG LVQPGGSLRL SCAASGFTFS S..YDMH WVR QATGKGLEWV SGIG..TAGD T.YYPGSVKG
VH18 QVQLVESGGG VVQPGRSLRL SCAASGFTFS S..YGMH WVR QAPGKGLEWV AVIW..YDGS NEYYADSVKG
VH19 EVQLVESGGG LVEPGGSLRL SCAASGFTFS T..AWMS WVR QAPGKGLEWV GRIKSKTDGG TTDYAAPVKG
VH20 EVQLVESGGG LVKPGGSLTL SCAASGFTFN N..AWMS WVR QAPGKGLEWV GRIKSKTDGG TTDYAAPVKG
VH21 QVQLVESGGG VVQPGRSLRL SCAASGFTFS S..YGMH WVR QAPGKGLEWV AVIW..YDGS NKYYADSVKG
VH22 QVQLQESGPG LVKPSETLSL TCTVSGGSIS N..YYWS WIR QSAGKGLEWI GRIY..TSGS TH.YNPSLKS
VH23 QVQLVESGGG VVQPGRSLRL SCAASGFTFS S..YGMH WVR QAPGKGLEWV AVIW..YDGS YKYYADSVKG
VH24 QVQLVQSGAE VKKPGASVKV SCKVSGYTLT E..LSMH WVR QAPGKGLEWM GGFD..PEDG ETIYAQKFQG
VH25 QVQLVQSGAE VKKPGASVKV SCKVSGYTLT E..LSMH WVR QAPGKGLEWM GGFD..PEDG ETIYAQKFQG
VH26 QVQLVQSGAE VKKPGASVKV SCKVSGYTLT E..LSMH WVR QAPGKGLEWM GGFD..PEDG ETIYAQKFQG
VH27 QVQLQESGPG LVKPSETLSL TCTVSGGSIS S..YYWS WIR QPPGKGLEWI GYIY..YSGN TNYNPSLKSR
VH28 QVQLVESGGG VVQPGRSLRL SCAASGFTFI S..YGMH WVR QAPGKGLEWV AVIW..YDGS NKYYADSVKG
VH29 QVQLVQSGAE VKKPGASVKV SCKVSGYTLT E..LSMH WVR QAPGKGLEWM GGFD..PEDG ETIYAQKFQG
VH30 QVQLQESGPG LVKPSQTLSL TCTVSGGSIS SGGYYWS WIR QHPGKGLEWI GYIS..YSGD T.YYNPSLKS
VH31 QVQLVQSGAE VKKPGASVKV SCKASGYTLT S..YGIS WVR QAPGQGLEWM GWIS..AYNG NPNYAQKFQG
VH32 EVQLVESGGG LVKPGGSLRL SCAASGFTFS N..AWMS WVR QAPGKGLEWV GRIKTKTDGG TTDYAAPVKG
FR1
CDR1
FR2
CDR2

FIGURE 1A-1

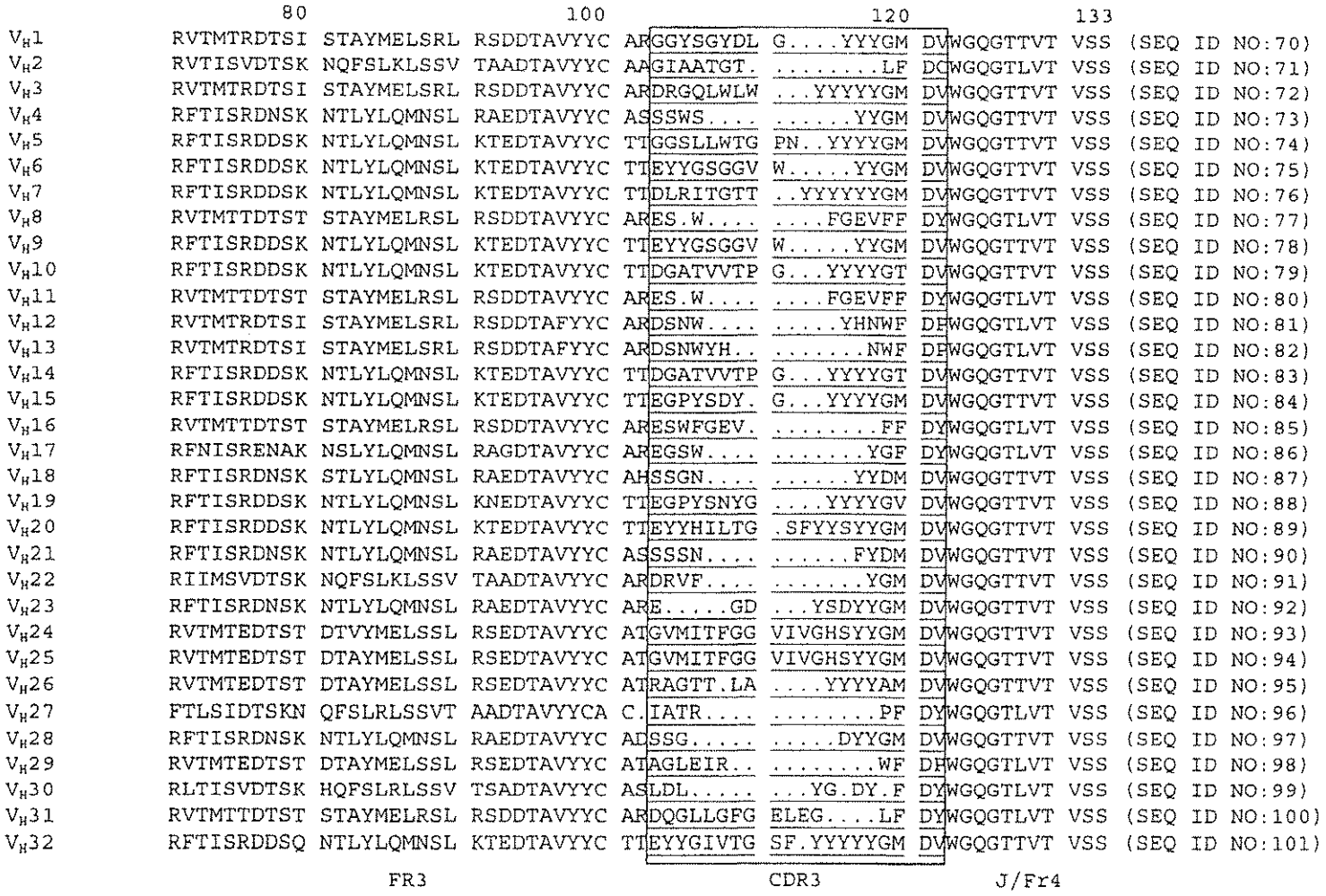

80
100
120
133
V_H1 RVTMTRDTSI STAYMELSRL RSDDTAVYYC ARGGYSGYDL G....YYYGM DVWGQGTTVT VSS (SEQ ID NO:70)
V_H2 RVTISVDTSK NQFSLKLSSV TAADTAVYYC AAGIAATGT. .....LF DCWGQGTLVT VSS (SEQ ID NO:71)
V_H3 RVTMTRDTSI STAYMELSRL RSDDTAVYYC ARDRGQLWLW ...YYYYYGM DVWGQGTTVT VSS (SEQ ID NO:72)
V_H4 RFTISRDNSK NTLYLQMNSL RAEDTAVYYC ASSSWS.... .....YYGM DVWGQGTTVT VSS (SEQ ID NO:73)
V_H5 RFTISRDDSK NTLYLQMNSL KTEDTAVYYC TTGGSLLWTG PN..YYYYGM DVWGQGTTVT VSS (SEQ ID NO:74)
V_H6 RFTISRDDSK NTLYLQMNSL KTEDTAVYYC TTEYYGSGGV W.....YYGM DVWGQGTTVT VSS (SEQ ID NO:75)
V_H7 RFTISRDDSK NTLYLQMNSL KTEDTAVYYC TTDLRITGTT ..YYYYYYGM DVWGQGTTVT VSS (SEQ ID NO:76)
V_H8 RVTMTTDTST STAYMELRSL RSDDTAVYYC ARES.W.... ....FGEVFF DYWGQGTLVT VSS (SEQ ID NO:77)
V_H9 RFTISRDDSK NTLYLQMNSL KTEDTAVYYC TTEYYGSGGV W.....YYGM DVWGQGTTVT VSS (SEQ ID NO:78)
V_H10 RFTISRDDSK NTLYLQMNSL KTEDTAVYYC TTDGATVVTP G...YYYYGT DVWGQGTTVT VSS (SEQ ID NO:79)
V_H11 RVTMTTDTST STAYMELRSL RSDDTAVYYC ARES.W.... ....FGEVFF DYWGQGTLVT VSS (SEQ ID NO:80)
V_H12 RVTMTRDTSI STAYMELSRL RSDDTAFYYC ARDSNW.... .....YHNWF DHWGQGTLVT VSS (SEQ ID NO:81)
V_H13 RVTMTRDTSI STAYMELSRL RSDDTAFYYC ARDSNWYH.. ....NWF DHWGQGTLVT VSS (SEQ ID NO:82)
V_H14 RFTISRDDSK NTLYLQMNSL KTEDTAVYYC TTDGATVVTP G...YYYYGT DVWGQGTTVT VSS (SEQ ID NO:83)
V_H15 RFTISRDDSK NTLYLQMNSL KTEDTAVYYC TTEGPYSDY. G...YYYYGM DVWGQGTTVT VSS (SEQ ID NO:84)
V_H16 RVTMTTDTST STAYMELRSL RSDDTAVYYC ARESWFGEV. ....FF DYWGQGTLVT VSS (SEQ ID NO:85)
V_H17 RFNISRENAK NSLYLQMNSL RAGDTAVYYC AREGSW.... ....YGF DYWGQGTLVT VSS (SEQ ID NO:86)
V_H18 RFTISRDNSK STLYLQMNSL RAEDTAVYYC AHSSGN.... ......YYDM DVWGQGTTVT VSS (SEQ ID NO:87)
V_H19 RFTISRDDSK NTLYLQMNSL KNEDTAVYYC TTEGPYSNYG ....YYYYGV DVWGQGTTVT VSS (SEQ ID NO:88)
V_H20 RFTISRDDSK NTLYLQMNSL KTEDTAVYYC TTEYYHILTG .SFYYSYYGM DVWGQGTTVT VSS (SEQ ID NO:89)
V_H21 RFTISRDNSK NTLYLQMNSL RAEDTAVYYC ASSSSN.... ......FYDM DVWGQGTTVT VSS (SEQ ID NO:90)
V_H22 RIIMSVDTSK NQFSLKLSSV TAADTAVYYC ARDRVF.... ....YGM DVWGQGTTVT VSS (SEQ ID NO:91)
V_H23 RFTISRDNSK NTLYLQMNSL RAEDTAVYYC ARE.....GD ...YSDYYGM DVWGQGTTVT VSS (SEQ ID NO:92)
V_H24 RVTMTEDTST DTVYMELSSL RSEDTAVYYC ATGVMITFGG VIVGHSYYGM DVWGQGTTVT VSS (SEQ ID NO:93)
V_H25 RVTMTEDTST DTAYMELSSL RSEDTAVYYC ATGVMITFGG VIVGHSYYGM DVWGQGTTVT VSS (SEQ ID NO:94)
V_H26 RVTMTEDTST DTAYMELSSL RSEDTAVYYC ATRAGTT.LA ....YYYYAM DVWGQGTTVT VSS (SEQ ID NO:95)
V_H27 FTLSIDTSKN QFSLRLSSVT AADTAVYYCA C.IATR.... ....PF DYWGQGTLVT VSS (SEQ ID NO:96)
V_H28 RFTISRDNSK NTLYLQMNSL RAEDTAVYYC ADSSG..... .....DYYGM DVWGQGTTVT VSS (SEQ ID NO:97)
V_H29 RVTMTEDTST DTAYMELSSL RSEDTAVYYC ATAGLEIR.. ....WF DHWGQGTLVT VSS (SEQ ID NO:98)
V_H30 RLTISVDTSK HQFSLRLSSV TSADTAVYYC ASLDL..... ...YG.DY.F DYWGQGTLVT VSS (SEQ ID NO:99)
V_H31 RVTMTTDTST STAYMELRSL RSDDTAVYYC ARDQGLLGFG ELEG....LF DYWGQGTLVT VSS (SEQ ID NO:100)
V_H32 RFTISRDDSQ NTLYLQMNSL KTEDTAVYYC TTEYYGIVTG SF.YYYYYGM DVWGQGTTVT VSS (SEQ ID NO:101)
FR3
CDR3
J/Fr4

FIGURE 1A-2

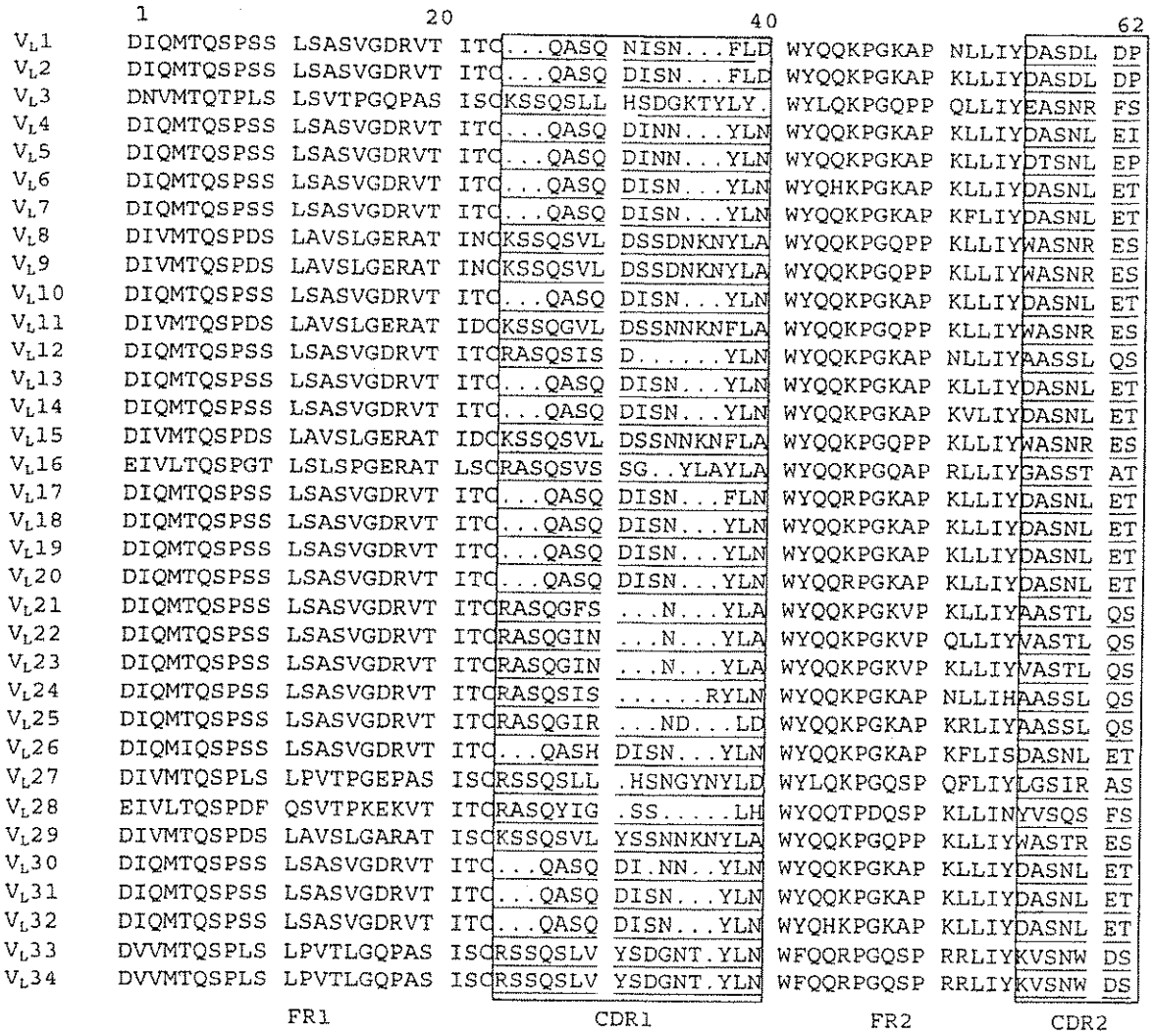

1
20
40
62
VL1 DIQMTQSPSS LSASVGDRVT ITC...QASQ NISN...FLD WYQQKPGKAP NLLIYDASDL DP
VL2 DIQMTQSPSS LSASVGDRVT ITC...QASQ DISN...FLD WYQQKPGKAP KLLIYDASDL DP
VL3 DNVMTQTPLS LSVTPGQPAS ISCKSSQSLL HSDGKTYLY. WYLQKPGQPP QLLIYEASNR FS
VL4 DIQMTQSPSS LSASVGDRVT ITC...QASQ DINN...YLN WYQQKPGKAP KLLIYDASNL EI
VL5 DIQMTQSPSS LSASVGDRVT ITC...QASQ DINN...YLN WYQQKPGKAP KLLIYDTSNL EP
VL6 DIQMTQSPSS LSASVGDRVT ITC...QASQ DISN...YLN WYQHKPGKAP KLLIYDASNL ET
VL7 DIQMTQSPSS LSASVGDRVT ITC...QASQ DISN...YLN WYQQKPGKAP KFLIYDASNL ET
VL8 DIVMTQSPDS LAVSLGERAT INCKSSQSVL DSSDNKNYLA WYQQKPGQPP KLLIYWASNR ES
VL9 DIVMTQSPDS LAVSLGERAT INCKSSQSVL DSSDNKNYLA WYQQKPGQPP KLLIYWASNR ES
VL10 DIQMTQSPSS LSASVGDRVT ITC...QASQ DISN...YLN WYQQKPGKAP KLLIYDASNL ET
VL11 DIVMTQSPDS LAVSLGERAT IDCKSSQGVL DSSNNKNFLA WYQQKPGQPP KLLIYWASNR ES
VL12 DIQMTQSPSS LSASVGDRVT ITCRASQSIS D.....YLN WYQQKPGKAP NLLIYAASSL QS
VL13 DIQMTQSPSS LSASVGDRVT ITC...QASQ DISN...YLN WYQQKPGKAP KLLIYDASNL ET
VL14 DIQMTQSPSS LSASVGDRVT ITC...QASQ DISN...YLN WYQQKPGKAP KVLIYDASNL ET
VL15 DIVMTQSPDS LAVSLGERAT IDCKSSQSVL DSSNNKNFLA WYQQKPGQPP KLLIYWASNR ES
VL16 EIVLTQSPGT LSLSPGERAT LSCRASQSVS SG..YLAYLA WYQQKPGQAP RLLIYGASST AT
VL17 DIQMTQSPSS LSASVGDRVT ITC...QASQ DISN...FLN WYQQRPGKAP KLLIYDASNL ET
VL18 DIQMTQSPSS LSASVGDRVT ITC...QASQ DISN...YLN WYQQKPGKAP KLLIYDASNL ET
VL19 DIQMTQSPSS LSASVGDRVT ITC...QASQ DISN...YLN WYQQKPGKAP KLLIYDASNL ET
VL20 DIQMTQSPSS LSASVGDRVT ITC...QASQ DISN...YLN WYQQRPGKAP KLLIYDASNL ET
VL21 DIQMTQSPSS LSASVGDRVT ITCRASQGFS ...N...YLA WYQQKPGKVP KLLIYAASTL QS
VL22 DIQMTQSPSS LSASVGDRVT ITCRASQGIN ...N...YLA WYQQKPGKVP QLLIYVASTL QS
VL23 DIQMTQSPSS LSASVGDRVT ITCRASQGIN ...N...YLA WYQQKPGKVP KLLIYVASTL QS
VL24 DIQMTQSPSS LSASVGDRVT ITCRASQSIS .....RYLN WYQQKPGKAP NLLIHAASSL QS
VL25 DIQMTQSPSS LSASVGDRVT ITCRASQGIR ...ND...LD WYQQKPGKAP KRLIYAASSL QS
VL26 DIQMIQSPSS LSASVGDRVT ITC...QASH DISN...YLN WYQQKPGKAP KFLISDASNL ET
VL27 DIVMTQSPLS LPVTPGEPAS ISCRSSQSLL .HSNGYNYLD WYLQKPGQSP QFLIYLGSIR AS
VL28 EIVLTQSPDF QSVTPKEKVT ITCRASQYIG .SS.....LH WYQQTPDQSP KLLINYVSQS FS
VL29 DIVMTQSPDS LAVSLGARAT ISCKSSQSVL YSSNNKNYLA WYQQKPGQPP KLLIYWASTR ES
VL30 DIQMTQSPSS LSASVGDRVT ITC...QASQ DI.NN..YLN WYQQKPGKAP KLLIYDASNL ET
VL31 DIQMTQSPSS LSASVGDRVT ITC...QASQ DISN...YLN WYQQKPGKAP KLLIYDASNL ET
VL32 DIQMTQSPSS LSASVGDRVT ITC...QASQ DISN...YLN WYQHKPGKAP KLLIYDASNL ET
VL33 DVVMTQSPLS LPVTLGQPAS ISCRSSQSLV YSDGNT.YLN WFQQRPGQSP RRLIYKVSNW DS
VL34 DVVMTQSPLS LPVTLGQPAS ISCRSSQSLV YSDGNT.YLN WFQQRPGQSP RRLIYKVSNW DS
FR1
CDR1
FR2
CDR2

FIGURE 1B-1

	63	80		100			
V_L1	GVPSRFSG	SGSGTDFTFT	ISSLQPEDIA	TYYC	QQYVSL	...PLT	FGGG TKVEIK (SEQ ID NO:102)
V_L2	GVPSRFSG	SGSGTDFTFT	ISSLQPEDIA	TYYC	QQYVSL	...PLT	FGGG TKVEIK (SEQ ID NO:103)
V_L3	GVPDRFSG	SGSGTDFTLK	ISRVEAEDVG	VYYC	MQSIQL	...PLT	FGGG TKVEIK (SEQ ID NO:104)
V_L4	GVPSRFSG	SGSGTDFIFT	ISSLQPEDIA	TYYC	QQYDNF	...PFT	FGGG TKVEIK (SEQ ID NO:105)
V_L5	GVPSRFSG	SGSGTDFTFT	ISSLQPEDIA	TYYC	QQYDNL	....LT	FGQG TRLEIK (SEQ ID NO:106)
V_L6	GVPSRFSG	SGSGTDFTFT	ISSLQPEDIA	TYYC	QQYDNL	....LT	FGGG TKVEIK (SEQ ID NO:107)
V_L7	GVPSRFSG	SGSGTDFTFT	ISSLQPEDIA	TYYC	QQYDNL	....IT	FGQG TRLEIK (SEQ ID NO:108)
V_L8	GVPDRFSG	SGSGTDFSLT	ISSLQAEDVA	VYYC	QQYYSD	...PFT	FGPG TKVDIK (SEQ ID NO:109)
V_L9	GVPDRFSG	SGSGTDFTLT	ISSLQAEDVA	VYYC	QQYYSD	...PFT	FGPG TKVDIK (SEQ ID NO:110)
V_L10	GVPSRFSG	SGSGTDFTFT	ISSLQPEDIA	TYYC	QQYDNL	....LT	FGGG TKVEIK (SEQ ID NO:111)
V_L11	GVPVRFSG	SGSGTDFTLT	ISSLQAEDVA	LYYC	QQYYSD	...PFT	FGPG TKVDIK (SEQ ID NO:112)
V_L12	GVPSRFSG	SGSGTDFTLT	ISSLQPEDFA	TYFC	QQTYSD	...PFT	FGPG TKVDIK (SEQ ID NO:113)
V_L13	GVPSRFSG	SGSGTDFTFT	ISSLQPEDIA	TYYC	QQYDNL	....LT	FGGG TKVEIK (SEQ ID NO:114)
V_L14	GVPSRFSG	SGSGTDFTFT	ISSLQPEDIA	TYYC	QQYDNL	....LT	FGGG TKVEIK (SEQ ID NO:115)
V_L15	GVPDRFSG	SGSGTDFTLT	ISSLQAEDVA	VYYC	QQYYSD	...PFT	FGPG TKVDIK (SEQ ID NO:116)
V_L16	GIPDRFSG	SGSGTDFTLT	ISRLEPEDFA	VYYC	QQYGSS	...PIT	FGQG TRLEIK (SEQ ID NO:117)
V_L17	GVPSRFSG	SGSGTDFTFT	ISSLQPEDIA	TYYC	QQYDNL	...PFT	FGPG TKVDIK (SEQ ID NO:118)
V_L18	GVPSRFSG	SGSGTDFTFT	ISSLQPEDFA	TYYC	QQYDNL	....LT	FGGG TKVEIK (SEQ ID NO:119)
V_L19	GVPSRFSG	SGSGTDFTFT	ISSLQPEDIA	TYYC	QRYDDL	...PIT	FGQG TRLEIK (SEQ ID NO:120)
V_L20	GVPSRFSG	SGSGTDFTFT	ISSLQPEDIA	TYYC	QQYDNL	....LT	FGGG TKVEIK (SEQ ID NO:121)
V_L21	GVPSRFSG	SGSGTDFTLT	ISSLQPEDVA	TYYC	QKYNSA	....LT	FGGG TKVEIK (SEQ ID NO:122)
V_L22	GVPSRFSG	SGSGTDFTLT	ISSLQPEDVA	TYYC	QKYNSG	...PFT	FGPG TKVDIK (SEQ ID NO:123)
V_L23	GVPSRFSG	SGSGTDFTLT	ISSLQPEDVA	TYYC	QKYNSG	...PFT	FGPG TKVDIK (SEQ ID NO:124)
V_L24	GVPSRFSG	SGSGTDFTLT	ISSLQPEDFA	TYYC	QQSYIT	...PPS	FGQG TKLEIK (SEQ ID NO:125)
V_L25	GVPSRFSG	SGSGTEFTLT	INSLQPEDFA	TYYC	LQYNSY	...PIT	FGQG TRLEIK (SEQ ID NO:126)
V_L26	GVPSRFSG	SGSGTDFTFT	ISSLQPEDIA	TYYC	QQYDNL	...PLT	FGGG TKVEIK (SEQ ID NO:127)
V_L27	GVPDRFSG	SGSGTDFALT	ISRVEAEDVG	VYYC	MQALQT	...PRT	FGQG TKVEIK (SEQ ID NO:128)
V_L28	GVPSRFSG	SGSGTDFTLT	INSLEAEDAA	TYYC	HQSSSL	...PFT	FGPG TKVDIK (SEQ ID NO:129)
V_L29	GVPDRFSG	SGSGTDFTLT	ISTLQAEDVA	VYYC	QQYYTT	...PPT	FGQG TKVEIK (SEQ ID NO:130)
V_L30	GVPSRFSG	SGSGTDFTFT	ISSLQPEDIA	TYYC	QQYDDL	....LT	FGGG TKVEIK (SEQ ID NO:131)
V_L31	GVPSRFSG	SGSGTDFTFI	ISSLQPEDIA	TYYC	QQFDNL	...PPT	FGGG TKVESK (SEQ ID NO:132)
V_L32	GVPSRFSG	SGSGTDFTFT	ISSLQPEDIA	TYYC	QQYDNL	....LT	FGGG TKVEIK (SEQ ID NO:133)
V_L33	GVPDRFSG	SGSGTDFTLK	ISRVEAEDVG	VYYC	MQGTHW	PRGLFT	FGPG TKVDIK (SEQ ID NO:134)
V_L34	GVPDRFNG	SGSGTDFTLK	ISRVEAEDVG	VYYC	MQGTHW	...PIT	FGQG TGLEIK (SEQ ID NO:135)
		FR3			CDR3		J/FR4

FIGURE 1B-2

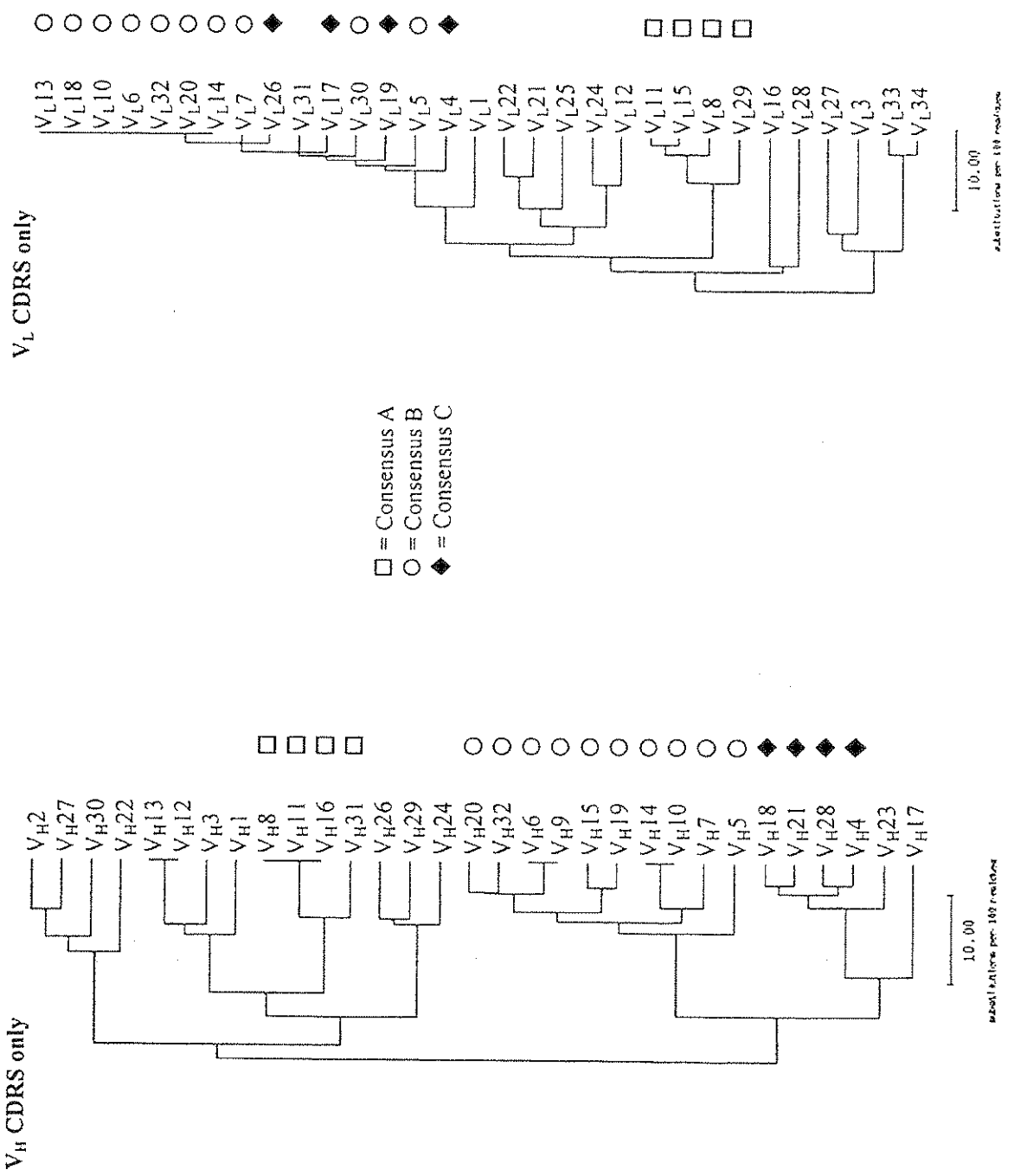

V_L CDRS only
V_H CDRS only
□ = Consensus A
○ = Consensus B
◆ = Consensus C
10.00
10.00

FIGURE 2

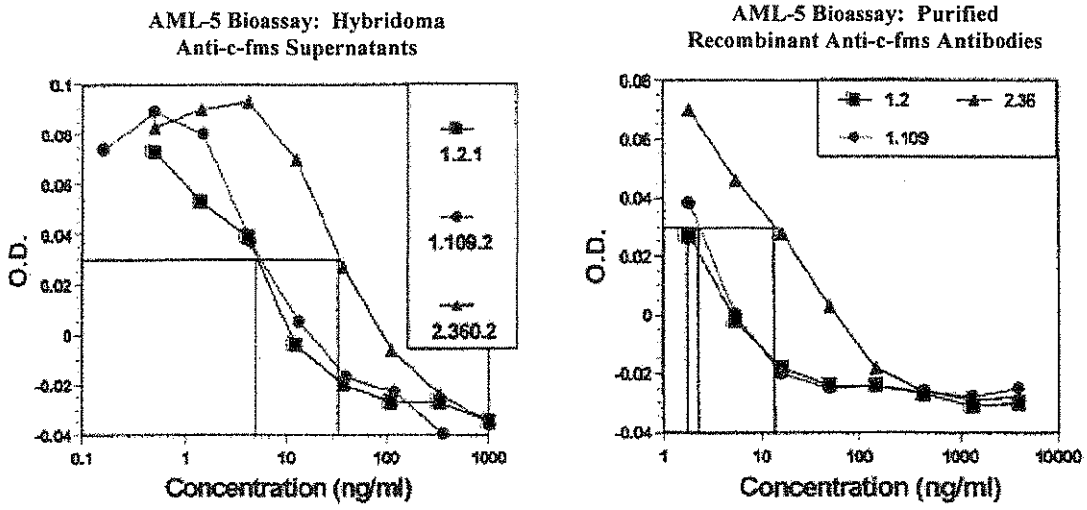

AML-5 Bioassay: Hybridoma
Anti-c-fms Supernatants
O.D.
Concentration (ng/ml)
1.2.1
1.109.2
2.360.2
A
AML-5 Bioassay: Purified
Recombinant Anti-c-fms Antibodies
O.D.
Concentration (ng/ml)
1.2
2.36
1.109
B

FIGURE 3

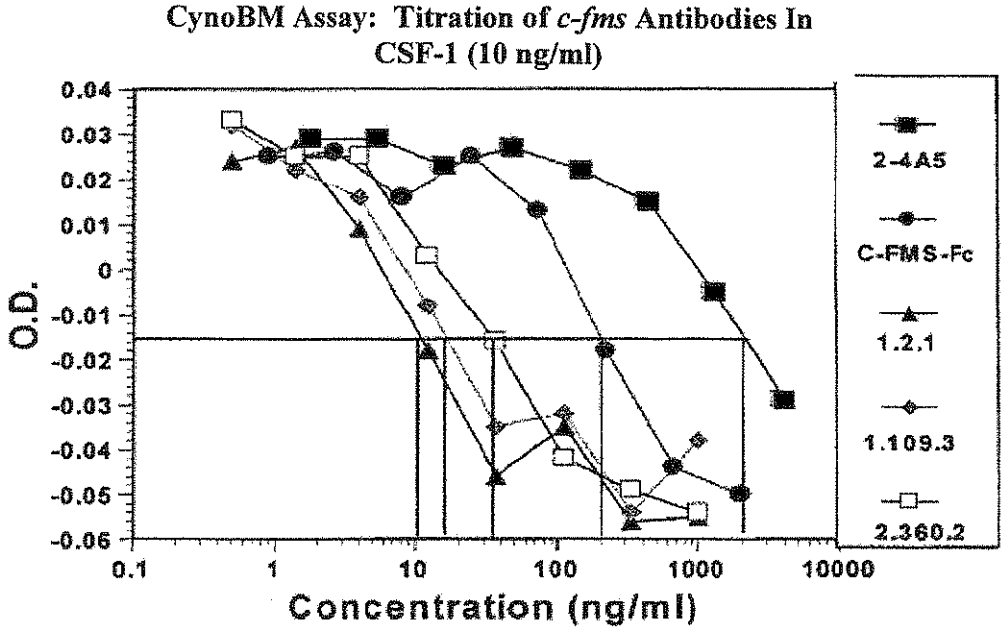
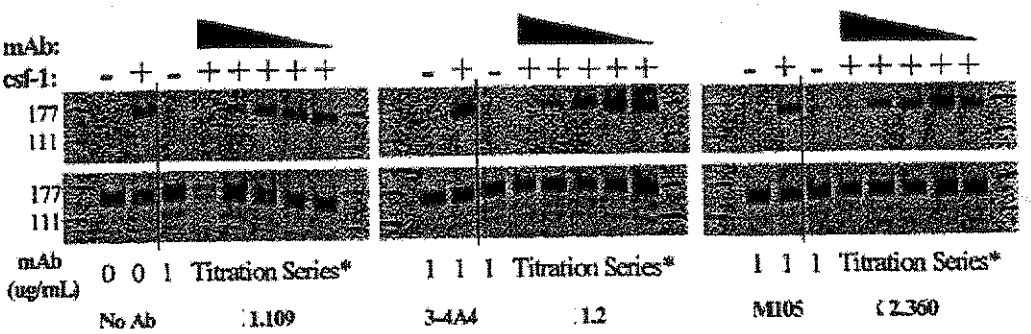

CynoBM Assay: Titration of c-fms Antibodies In CSF-1 (10 ng/ml)
O.D.
0.04
0.03
0.02
0.01
0
-0.01
-0.02
-0.03
-0.04
-0.05
-0.06
0.1
1
10
100
1000
10000
Concentration (ng/ml)
2-4A5
C-FMS-Fc
1.2.1
1.109.3
2.360.2

FIGURE 4



* Titration series: 1.0, 0.1, 0.01, 0.001 and 0.0001 ug/mL

FIGURE 5

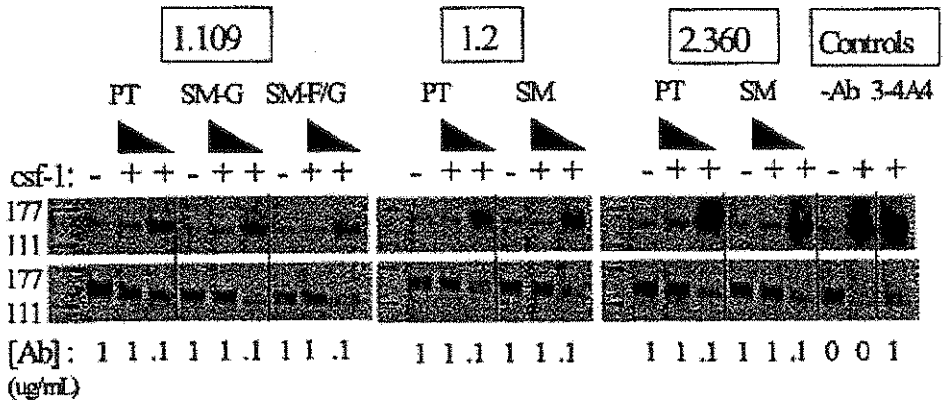
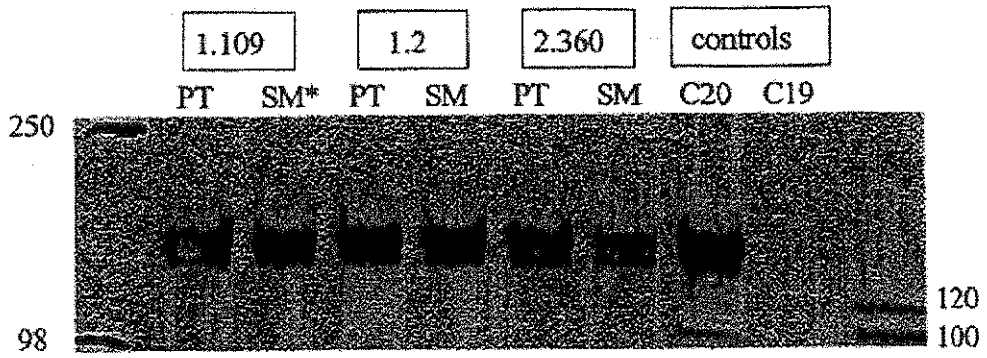

1.109
1.2
2.360
Controls
PT
SM-G
SM-F/G
PT
SM
PT
SM
-Ab
3-4A4
csf-1: - + + - + + - + + - + + - + + - + + - + + - + + - + +
177
111
177
111
[Ab]: 1 1 .1 1 1 .1 1 1 .1 1 1 .1 1 1 .1 1 1 .1 1 1 .1 0 0 1
(ug/mL)

FIGURE 6



* SM-F/G type (double-site cure)

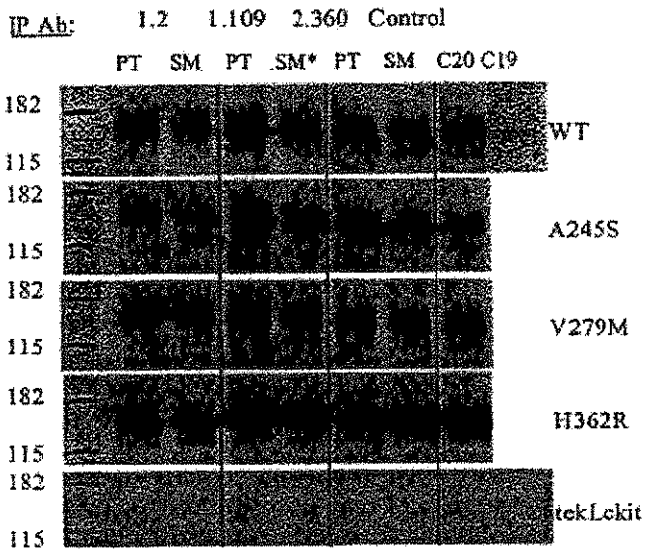
FIGURE 7

Human cfms ECD

```
  1  MGPGVLLLLL VATAWHGQGI PVIEPSVPEL VVKPGATVTL RCVGNGSVEW
 51  DGPPSPHWTL YSDGSSSILS TNNATFQNTG TYRCTEPGDP LGGSAAIHLY
101  VKDPARPWNV LAQEVVVFED QDALLPCLLT DPVLEAGVSL VRVRGRPLMR
151  HTNYSFSPWH GFTIHRAKFI QSQDYQCSAL MGGRKVMSIS IRLKVQKVIP
201  GPPALTLVPA ELVRIRGEAA QIVCSASSVD VNFDVFLQHN NTKLAIPQQS
251  DFHNNRYQKV LTLNLDQVDF QHAGNYSCVA SNVQGKHSTS MFFRVVESAY
301  LNLSSEQNLI QEVTVGEGLN LKVMVEAYPG LQGFNWTYLG PFSDHQPEPK
351  LANATTKDTY RHTFTLSLPR LKPSEAGRYS FLARNPGGWR ALTFELTLRY
401  PPEVSVIWTF INGSGTLLCA ASGYPQPNVT WLQCSGHTDR CDEAQVLQVW
451  DDPYPEVLSQ EPFHKVTVQS LLTVETLEHN QTYECRAHNS VGSGSWAFIP
501  ISAGAHTHPP DE
```

Underline - signal sequence
Bold - Ig-like loop1 and 2 sequence
Italic - Ig-like loop3 to 5 sequence

FIGURE 8



* 1.109SM-F/G

FIGURE 9

Human C-FMS N-avidin Constructs

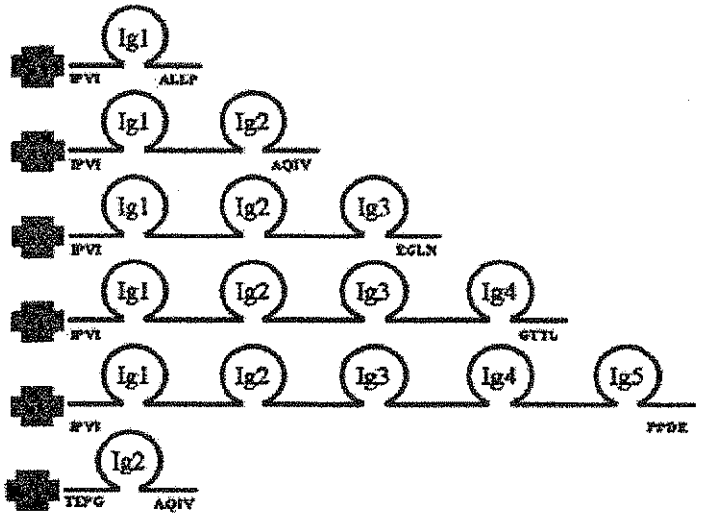


FIGURE 10

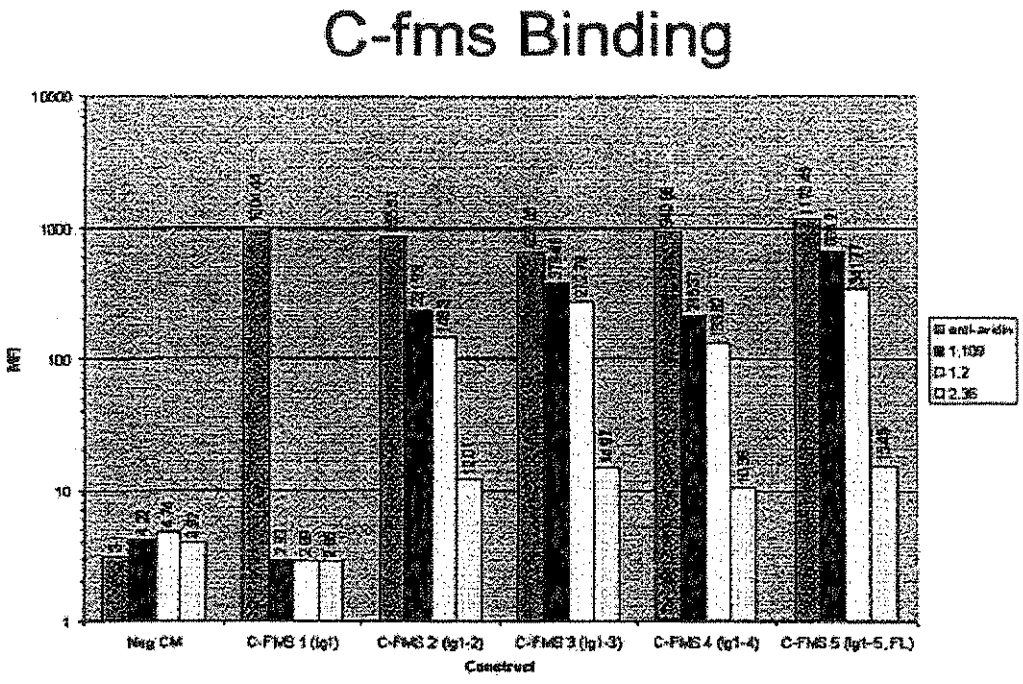

C-fms Binding
10000
1000
100
10
1
MFI
Neg CM
C-FMS 1 (Ig1)
C-FMS 2 (Ig1-2)
C-FMS 3 (Ig1-3)
C-FMS 4 (Ig1-4)
C-FMS 5 (Ig1-5, FL)
Construct
anti-avidin
1:100
1:2
2.36

FIGURE 11

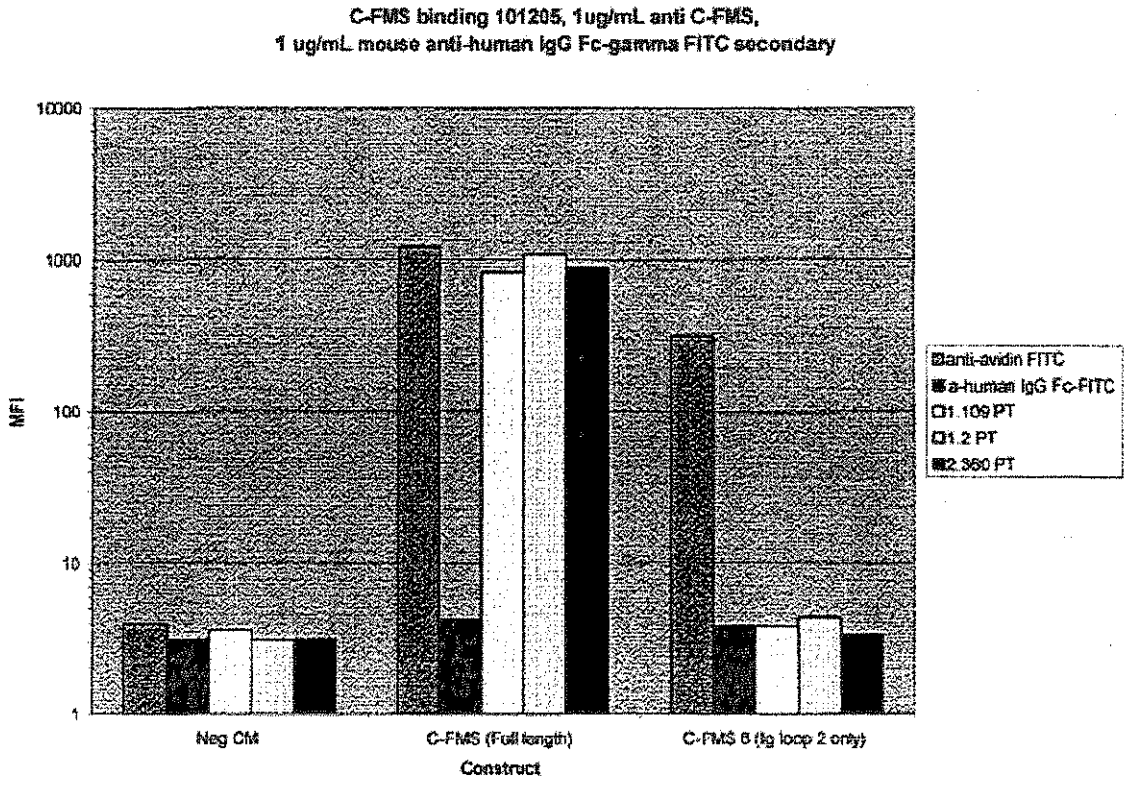

C-FMS binding 101205, 1ug/mL anti C-FMS,
1 ug/mL mouse anti-human IgG Fc-gamma FITC secondary
10000
1000
100
10
1
MFI
Neg Ctl
C-FMS (Full length)
C-FMS 5 (Ig loop 2 only)
Construct
anti-avidin FITC
a-human IgG Fc-FITC
1.109 PT
1.2 PT
2.360 PT

FIGURE 12

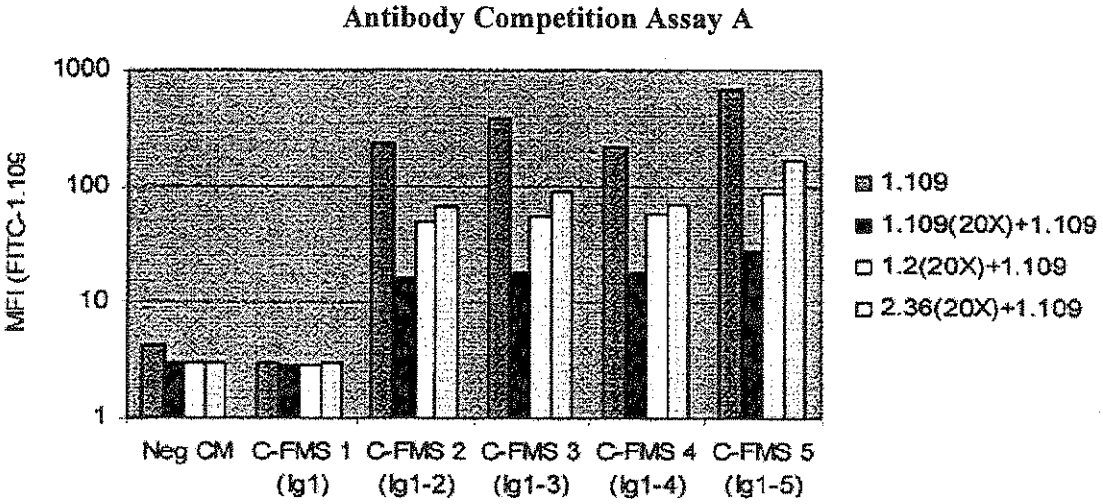

Antibody Competition Assay A
MFI (FITC-1.109)
1000
100
10
1
Neg CM
C-FMS 1 (Ig1)
C-FMS 2 (Ig1-2)
C-FMS 3 (Ig1-3)
C-FMS 4 (Ig1-4)
C-FMS 5 (Ig1-5)
1.109
1.109(20X)+1.109
1.2(20X)+1.109
2.36(20X)+1.109

FIGURE 13

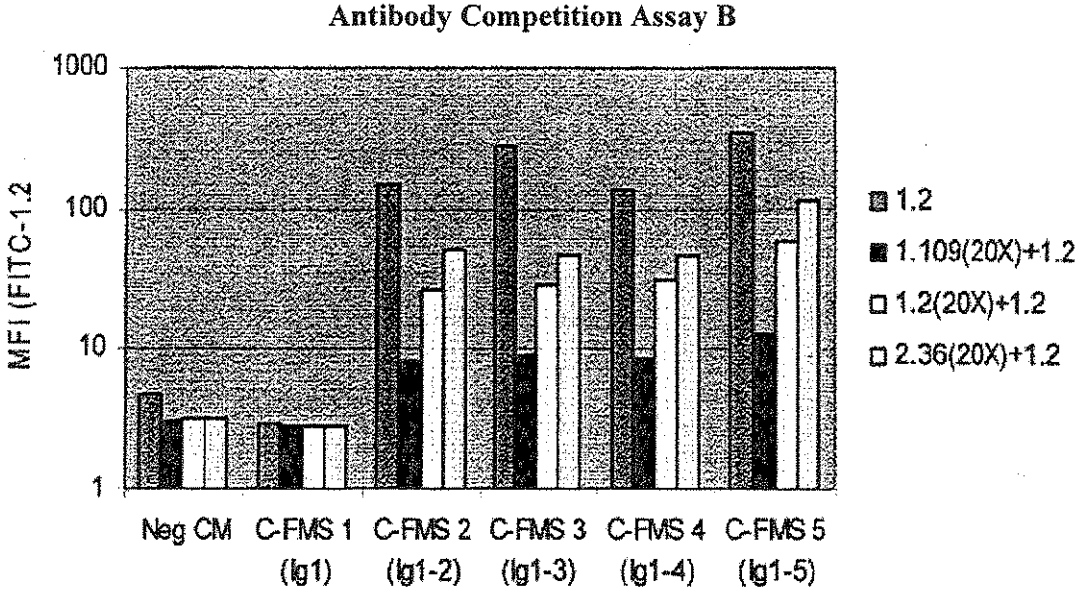

Antibody Competition Assay B
1000
100
10
1
MFI (FITC-1.2
Neg CM
C-FMS 1 (Ig1)
C-FMS 2 (Ig1-2)
C-FMS 3 (Ig1-3)
C-FMS 4 (Ig1-4)
C-FMS 5 (Ig1-5)
1.2
1.109(20X)+1.2
1.2(20X)+1.2
2.36(20X)+1.2

FIGURE 14

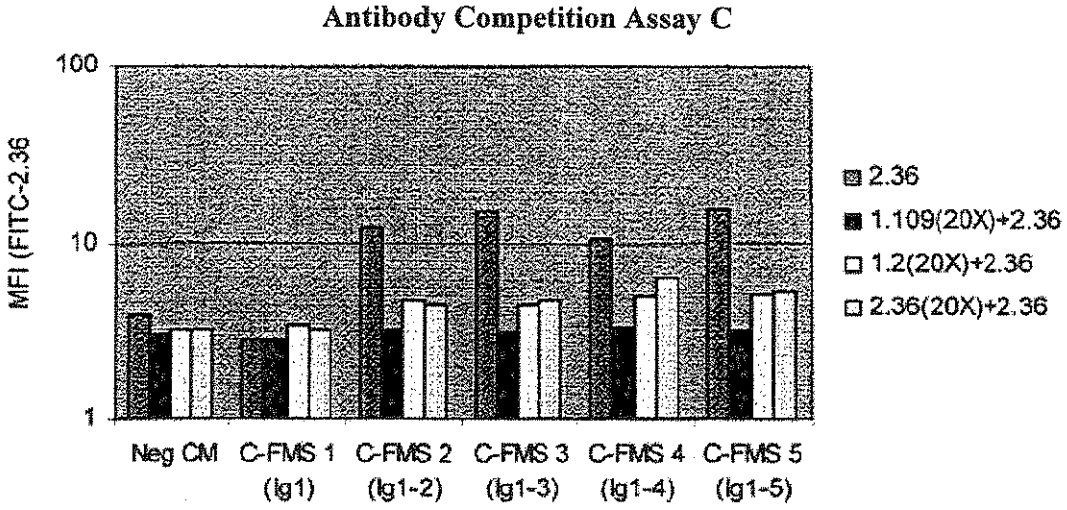
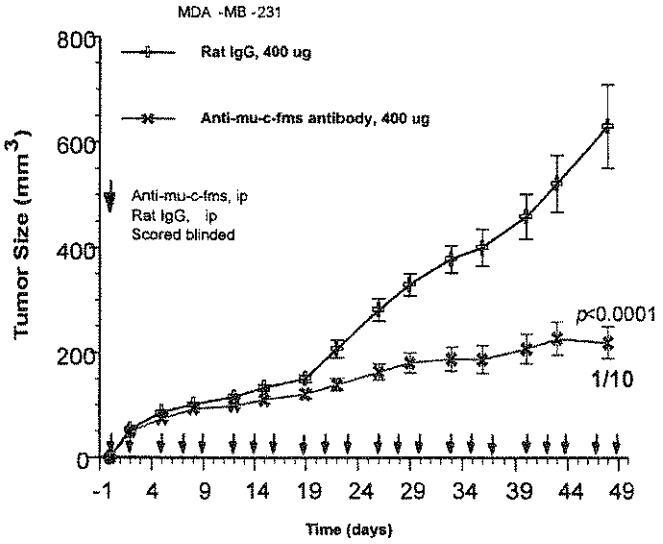

Antibody Competition Assay C
MFI (FITC-2.36
100
10
1
Neg CM
C-FMS 1 (Ig1)
C-FMS 2 (Ig1-2)
C-FMS 3 (Ig1-3)
C-FMS 4 (Ig1-4)
C-FMS 5 (Ig1-5)
2.36
1.109(20X)+2.36
1.2(20X)+2.36
2.36(20X)+2.36

FIGURE 15

Inhibition of Tumor Growth with Anti-mu-*c-fms*-Antibody Treatment



AFOG (necrosis), 1X

	R IgG	Anti-mu-c-fms antibody
Mean Necrotic Fraction	10.6%	39.8%

FIGURE 16

Effect of Anti-mu-*c-fms* Antibody vs. NCI-H1975 Xenografts – Established Disease

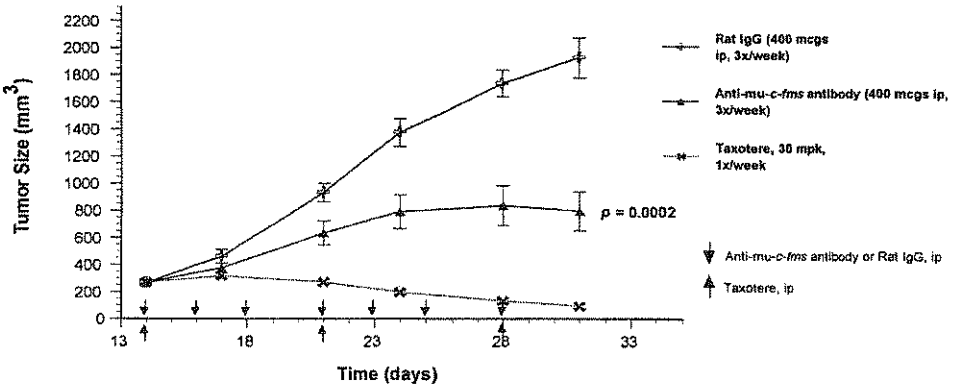


FIGURE 17