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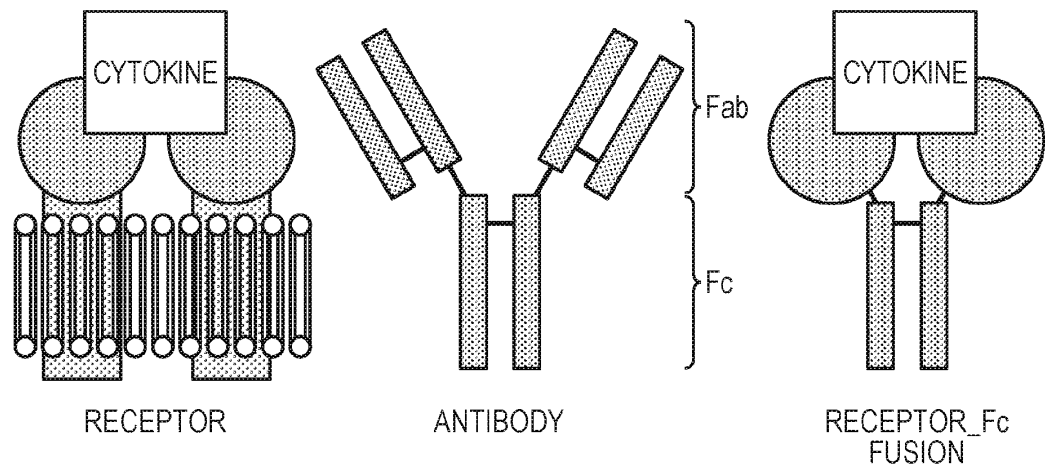


FIGURE 1A

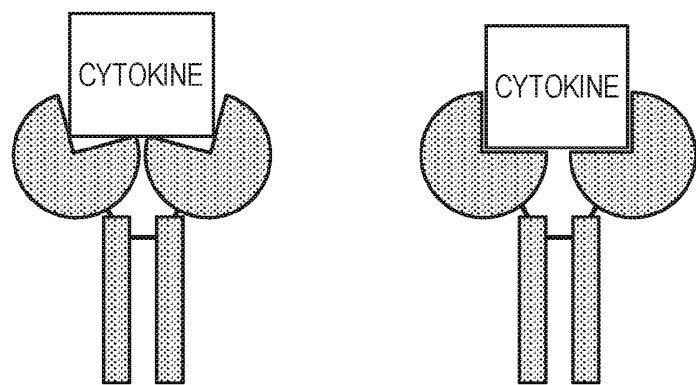


FIGURE 1B

Human CH1 domains

IgA1 PKVFPLS.....LSTQPDGNV-.....VIACLVQGF.....FQPELSVTWSESQGV.....tarNPPSQDASGDL.....YTTSSQTLTFA.....TQCLAGKSVTCHVXH.....-YTNFSQDVT
IgA2 PKVFPLS.....LSTQPDGNV-.....VIACLVQGF.....FQPELSVTWSESQGV.....tarNPPSQDASGDL.....YTTSSQTLTFA.....TQCPDGKSVTCHVXH.....-YTNFSQDVT
IgD PDVFPLS.....GRHPKDNBPV.....VIACLITGY.....HPTSVVTVWVWCFQSQ.....PQRTFEEIQRRDSY.....YMTSSQSLSTP.....LQWRQGEYKCVVQH.....-TASKSKKEIF
IgE PSVFPLR.....CKNIPSNATSV.....TLGCLATGY.....PPEWMTWTGSLN.....GTTMTLPAITTLISG.....HYATISLITVSG.....-AWAKQMTFCVAHT.....PSSTIDWVDNKTF
IgG1 PSVFPLA.....PSKSTSGGTA.....ALGCLVKDY.....PPEVTVSNWSGALTS.....GVHTFFAVLQSSGL.....YSLSSVTVFS.....-SSLGQTQYICNVH.....KPSNTKVDKKVE
IgG2 PSVFPLA.....PCSRSTSESTA.....ALGCLVKDY.....PPEVTVSNWSGALTS.....GVHTFFAVLQSSGL.....YSLSSVTVFS.....-SNFCTQTYTCNVH.....KPSNTKVDKTVE
IgG3 PSVFPLA.....PCSRSTSGTA.....ALGCLVKDY.....PPEVTVSNWSGALTS.....GVHTFFAVLQSSGL.....YSLSSVTVFS.....-SSLGQTQTYTCNVH.....KPSNTKVDKRVE
IgG4 PSVFPLA.....PCSRSTSESTA.....ALGCLVKDY.....PPEVTVSNWSGALTS.....GVHTFFAVLQSSGL.....YSLSSVTVFS.....-SSLGKTQTYTCNVH.....KPSNTKVDKRVE
IgM PTLFPLVS.....CENSPSTSSV.....AVGCLAQDF.....LPDSITLSMKYKN.....SDISSTRGFPSSLG.....gkYAATSQVLLPSk.....dWMOGTDEHVWCVVQH.....-FNGNKENVVP

Human CH2 domains

IgA1 PRLSLHRP.....ALEDILIGSEA.....NLCTILTGL.....RDAGVTFTWTPSSG.....KSAVQGPPEPRDLCg.....cYSVSSVLPCCA.....EPWNHGKTFCTAAV.....PESKTPLTATIS
IgA2 PRLSLHRP.....ALEDILIGSEA.....NLCTILTGL.....RDAGATFTWTPSSG.....KSAVQGPPEPRDLCg.....cYSVSSVLPCCA.....QPNRHGFTTCTAAH.....PELKTPLTANIT
IgD PAVQDL-.....-WLRDKA--.....TPTCFWGS.....DLKDAHLTWEVAGKvpt.....ggyEEGLLRRHNGS-.....QSHSLILPR.....SLWAGTSVTCILNH.....-PSLPQRLMA
IgE PTVKIL-.....-QSSCDGGHFpp.....tiQLICLVSGY.....TPTCTINITWLEDQVM.....dVdLSTASTTQFGL.....ASTQSELTISQ.....KHWLSDRTYTCQVYiq.....GHTFEDSTKKCA
IgG1 PSVFLEFP.....KPKDTIMISRTP.....EVTGVVVDvs.....hEDFEVKENWYVDGvev.....hNAKTKPREEQNST.....YRWSVLTVLH.....QDWLNGKEYKCKVSN.....KALPAPLEKTIS
IgG2 PSVFLEFP.....KPKDTIMISRTP.....EVTGVVVDvs.....hEDFEVQFNWYVDGvev.....hENAKTKPREEQNfs...tFRWSVLFWH.....QDWLNGKEYKCKVSN.....KGLPAPTEKTIS
IgG3 PSVFLEFP.....KPKDTIMISRTP.....EVTGVVVDvs.....hEDFEVQFNWYVDGvev.....hNAKTKPREEQNST.....FRWSVLTVLH.....QDWLNGKEYKCKVSN.....KALPAPTEKTIS
IgG4 PSVFLEFP.....KPKDTIMISRTP.....EVTGVVVDvs.....hEDFEVQFNWYVDGvev.....hENAKTKPREEQNfs...tYRWSVLTVLH.....QDWLNGKEYKCKVSN.....KGLPSSIEKTIS
IgM PKSVSEV.....PPRDGFTGNPRk.....skLICOATGf.....SPRQIOVSWLREGKqvgsg.vttcQVOAEAKESGPTT.....YKVTSTLIKE.....SDWLGOAMFTCRVDE.....-RGLTFQONAS

FIGURE 2

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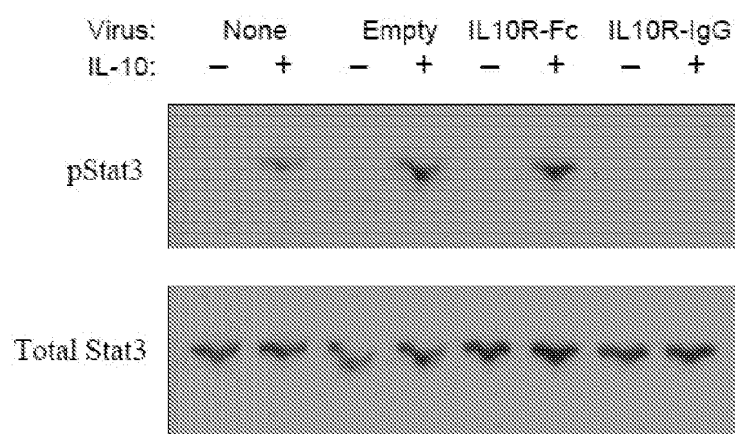


FIGURE 3