

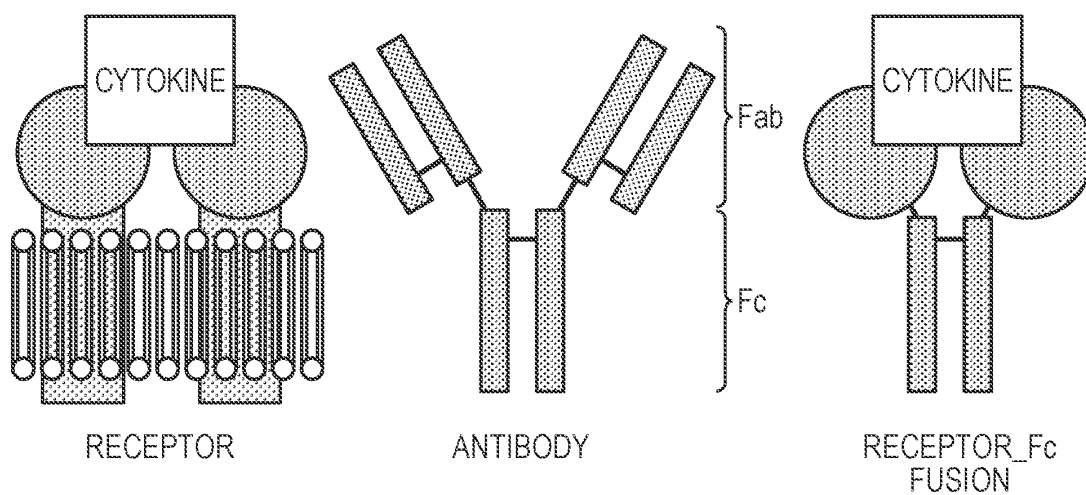


FIGURE 1A

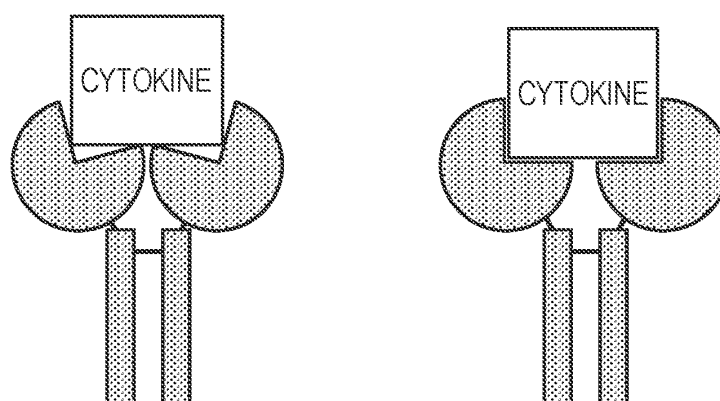


FIGURE 1B

Human CH1 domains

IgA1 PKVPELS.....LCSTQPDGNV-.....VIACLVOGF.....FQPEPLSVTWSESQGV.....TARNFPPSQDASGL.....YTSSQLTLPA.....TQCLAGKSVTCHVKH.....- - - - - YTNPSQDVT
 IgA2 PKVPELS.....LDSTPQDGNV-.....VVACLVOGF.....FQPEPLSVTWSESQGV.....TARNFPPSQDASGL.....YTSSQLTLPA.....TQCPGKSVTCHVKH.....- - - - - YTNPSQDVT
 IgD PDVPELS.....GCRHKDNSPV.....VIACLITY.....HPTSVVTVWMTQDSQ.....PQRTPEIQRDSY.....YMTSSQLSTP-.....LQWPQGEYKCVQVQH.....- - - - - TASKSKEIF
 IgE PSVPELIT.....CCKNIPSNATSV.....TLGCLATGY.....FPEFVMTWTGSLN.....GTMTLIPATITLISG.....HYATISLLTVSG.....- - - - - AWAKQMTICVAHT.....PSSIDWVDKTFIS
 IgG1 PSVPELA.....PSSKSTSGGTÀ.....ALGCLVKDY.....FPEFVTVSNMGALTS.....GHTEPAVLQSSGL.....YSLSSVVVPS.....- - - - - SSLGCTQTYICNVNH.....KPSNTKVDKVE
 IgG2 PSVPELA.....PCSRSTSESTÀ.....ALGCLVKDY.....FPEFVTVSNMGALTS.....GHTEPAVLQSSGL.....YSLSSVVVPS.....- - - - - SNEFQIQTICNVNH.....KPSNTKVDKVE
 IgG3 PSVPELA.....PCSRSTSGGTÀ.....ALGCLVKDY.....FPEFVTVSNMGALTS.....GHTEPAVLQSSGL.....YSLSSVVVPS.....- - - - - SSLGCTQTYICNVNH.....KPSNTKVDKVE
 IgG4 PSVPELA.....PCSRSTSESTÀ.....ALGCLVKDY.....FPEFVTVSNMGALTS.....GHTEPAVLQSSGL.....YSLSSVVVPS.....- - - - - SSLGCTQTYICNVNH.....KPSNTKVDKVE
 IgM PTLPELVs.....CENSPSDTSSV.....AVGCLAQGF.....LPDSITLSMKYKNN.....SDISSTRGFPSVLrg..gkYAATSQVLLPSk.....dVWQGTDEHVWCKVQH.....- - - - - PNCNKKKNVP

Human CH2 domains

IgA1 PRLSLHRp.....ALEDLILGSEA.....NLCTLTGL.....RDASGVTFWTTPSSG.....NSAVQGPPELDLg.....cYVSsvVLPGCA.....EPNNHGKTFCTTAAY.....PESKTEPLTATLS
 IgA2 PRLSLHRp.....ALEDLILGSEA.....NLCTLTGL.....RDASGVTFWTTPSSG.....NSAVQGPPELDLg.....cYVSsvVLPGCA.....QPNNHGKTFCTTAH.....PELKTPLTANIT
 IgD PAVQDL-.....---WLRLKA---.....TFTCFVWS.....DLKDAHLTWEVAGKvgt.....qgvREGLIERHESNGS-.....QSQHSRLFLPR.....SLNAGTSVTCTLNH.....- - - - - PSLPFQRLMA
 IgE PTVKIL-.....-QSSCDGGGHEpp..tIQLLCLVSGY.....TPGTINITWLEDQvtn.....dVdLSTASTTQEGEL.....ASTQSLTISQ.....KHWLSDRITYCQVYq.....GHTPEEDSTKCA
 IgG1 PSVLEFP.....KPKTILMISRTp.....EVTGVVWDS.....HEDEEVKENWYVDGev.....hNATKPREEQYNST.....YRVVSVLTVLH.....QDWLNGKEYKCKVSN.....KALPAPIENTIS
 IgG2 PSVLEFP.....KPKTILMISRTp.....EVTGVVWDS.....HEDEEVQFNWYVDGev.....hNATKPREEQFns..tFRVSVLTVVH.....QDWLNGKEYKCKVSN.....KGLPAPIEKTIIS
 IgG3 PSVLEFP.....KPKTILMISRTp.....EVTGVVWDS.....HEDEEVQFNWYVDGev.....hNATKPREEQYNST.....FRVSVLTVLH.....QDWLNGKEYKCKVSN.....KALPAPIEKTIIS
 IgG4 PSVLEFP.....KPKTILMISRTp.....EVTGVVWDS.....HEDEEVQFNWYVDGev.....hNATKPREEQFns..tFRVSVLTVLH.....QDWLNGKEYKCKVSN.....KGLPAPIEKTIIS
 IgM PKVSVTV.....PDRDGTGNPRk.....SKLIQATGF.....SPRQICVSWLRGKqvgsg.vtttdQVQALAKESGPTT.....YKVTSILITKE.....SDWLQSMFTICRVNH.....- - - - - RGLTFQQNAS

FIGURE 2

FIGURE 3

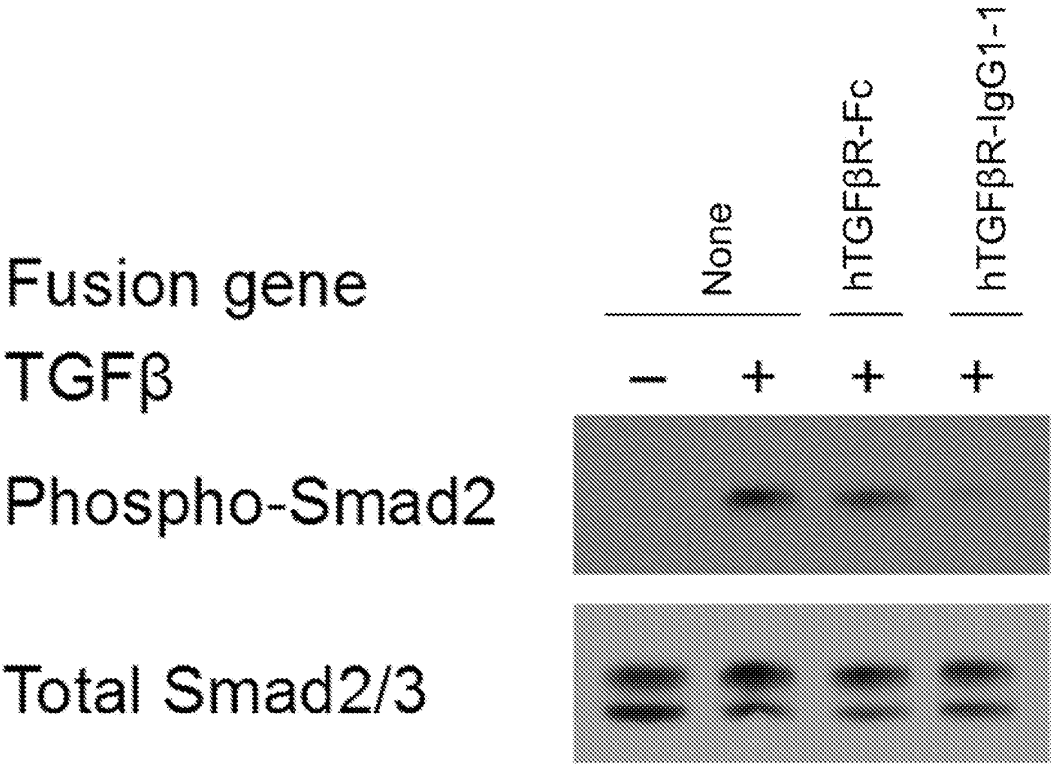
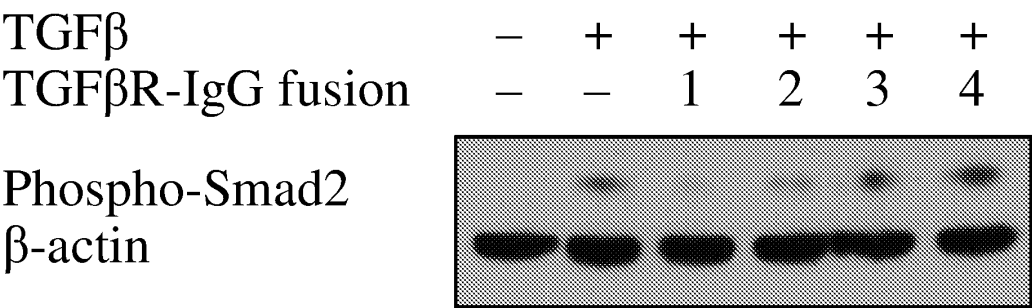


FIGURE 4



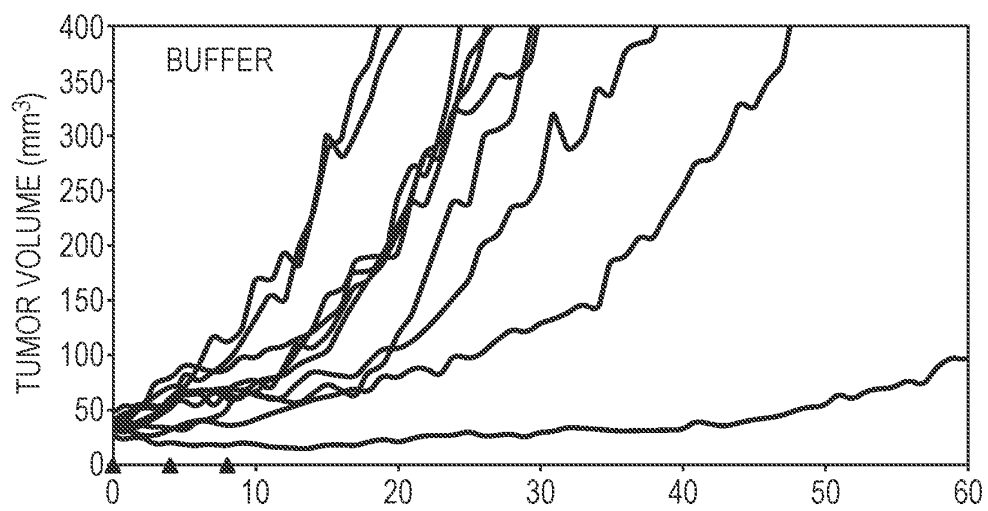


FIGURE 5A

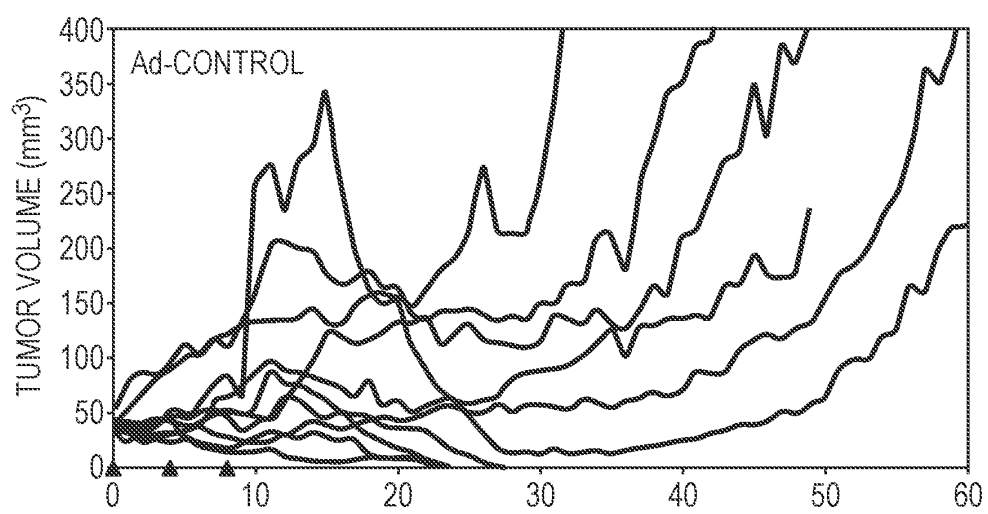


FIGURE 5B

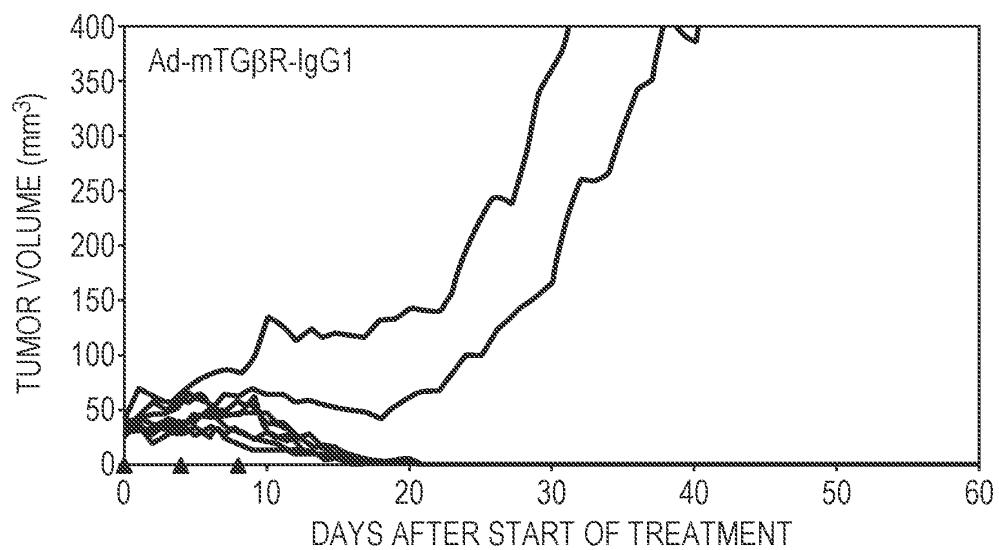


FIGURE 5C

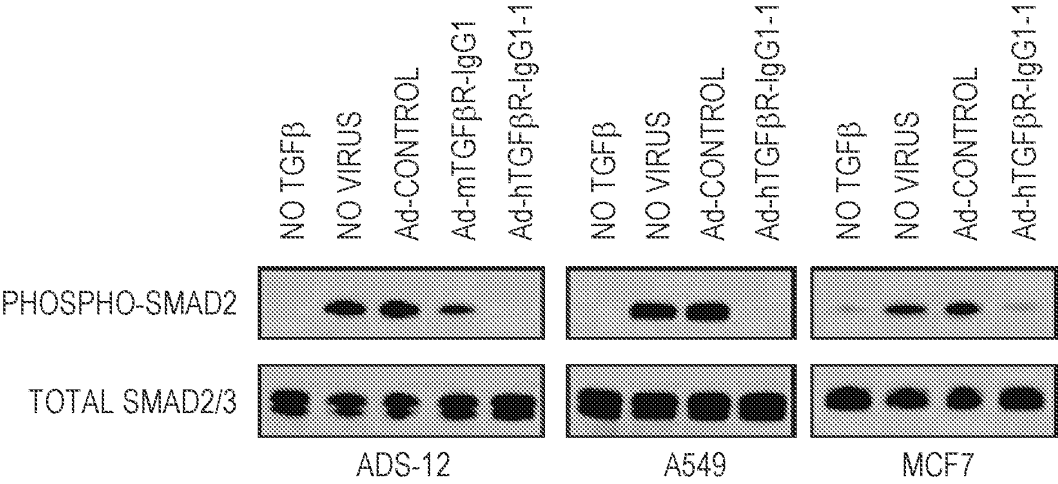


FIGURE 6A

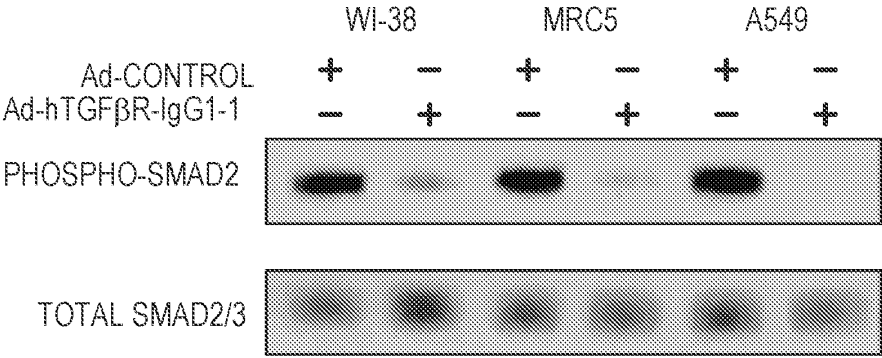


FIGURE 6B