

Recombinant Rat CD32b / FCGR2B Protein (His tag)

Cat.NO.: TP08406

3th Edition

Synonyms:FCRII;Fcgr2

Description:Fc γ RIIB is a low affinity receptor that recognizes the Fc portion of IgG. The human CD32 group consists of Fc γ RIIA, Fc γ RIIB, and Fc γ RIIC proteins that share 94-99% sequence identity in their extracellular domains but differ substantially in their transmembrane and cytoplasmic domains. Fc γ RII protein is expressed on cells of both myeloid and lymphoid lineages as well as on cells of non-hematopoietic origin. Fc γ RIIB has an intrinsic cytoplasmic immunoreceptor tyrosine-based inhibitory motif (ITIM) and delivers an inhibitory signal upon ligand binding. Ligation of Fc γ RIIB on B cells down-regulates antibody production and in some circumstances may promote apoptosis. Co-ligation of Fc γ RIIB on dendritic cells inhibits maturation and blocks cell activation. Fc γ RIIB may also be a target for monoclonal antibody therapy for malignancies. Fc γ RIIB plays an important negative-regulating role through modulating the signals from activation receptors.

Form:PBS

Molecular Weight:21.9 kDa

Sequences:Met 1-Pro 212

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.