Human CD32b Protein - Biotin

Product Code: ICH3013B

More Information

Species Reactivity: Human

Target: Human CD32b Protein

Host: Human embryonic kidney (HEK) 293 cells.

product name H2: Human CD32b Protein - Biotin

UniProt: P31994

Shipping Conditions: Ambient

background: As the dominant inhibitory Fcγ receptor, CD32b (FcγRIIb) tempers B-cell and myeloid signalling and governs how antibodies engage the immune system. Here the human CD32b extracellular domain is offered as a biotinylated recombinant protein from HEK 293 cells, ready for streptavidin capture in SPR, BLI and ELISA formats where oriented immobilization improves kinetic measurements of Fc binding. This is a non-therapeutic reagent for research use only. Manufactured to in vivo grade standards with ultra-low endotoxin and available in scalable milligram (mg) to gram (g) batches, it is built for heavy-usage and high-throughput laboratories studying Fc receptor engagement and antibody engineering.

Other names: Human Fc gamma RIIb, CD32B, FCGR2B, FCGRIIB, FCR2B, FCRIIB, IGFR2B, IGFRIIB

Specificity: The sequence of the extracellular domain of human CD32b (Ala 46-Pro 217) was fused with a C-terminal tag consisting of the AVI tag, TEV protease recognition sequence and a 10-His tag.

Formulation: Lyophilized from sterile PBS, pH 7.4. No preservatives or cryoprotectants have been added. To obtain a final concentration of 1 mg/ml reconstitute 0.25 mg vials with 0.25 ml water and 1.0 mg vials with 1.0 ml water.

Purity: >95% monomer purity as determined by SDS-PAGE and SEC-HPLC.

Endotoxin: 1.0 EU per mg as determined by the LAL method.

Storage: Lyophilized proteins are stable at ambient temperature for at least 2 weeks. If the protein is not to be used immediately then the protein should be stored in lyophilized form at -20 °C for up 12 months. Once the protein has been reconstituted we recommen

Applications: SPR, BLI, ELISA

Use: Products are for research use only. Not for use in diagnostic or therapeutic procedures.