

Human CD32b Protein (In Vivo Grade, Ultra-Low Endotoxin)

Product Code: ICH3013

More Information

Species Reactivity: Human

Target: Human CD32b Protein

Host: Human embryonic kidney (HEK) 293 cells.

product name H2: Human CD32b Protein (In Vivo Grade, Ultra-Low Endotoxin)

UniProt: P31994

Shipping Conditions: Ambient

background: CD32b (FcγRIIb) is the principal inhibitory Fc gamma receptor, a key brake on B-cell and myeloid-cell activation that shapes antibody effector function and immune-complex clearance. This recombinant human CD32b ectodomain is expressed in human embryonic kidney (HEK) 293 cells and validated for SPR, BLI and ELISA, making it well suited to mapping antibody Fc binding, profiling Fc engineering variants and characterizing immune-complex interactions. Supplied as a research-use-only (RUO) reagent in an ultra-low-endotoxin, in vivo grade format, it is produced in scalable milligram (mg) to gram (g) quantities to support bulk binding studies and high-throughput Fc receptor screening with reliable lot-to-lot consistency.

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 to 12 months. Once the protein has been reconstituted we recommend

Applications: SPR, BLI, ELISA

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