Mouse CD16a-2 Protein - Biotin

Product Code: ICH3028B

More Information

Species Reactivity: Mouse

Target: Mouse CD16a-2 Protein

Host: Human embryonic kidney (HEK) 293 cells

product name H2: Mouse CD16a-2 Protein - Biotin

UniProt: A0A0B4J1G0

Shipping Conditions: Ambient

background: FcγRIV, encoded here as mouse CD16a-2, is an activating myeloid Fc receptor whose IgG-subclass selectivity makes it especially informative in murine antibody-effector studies. This biotinylated recombinant ectodomain, produced in HEK 293 cells, is built for oriented streptavidin capture in SPR, BLI and ELISA assays measuring subclass-dependent Fc binding. It is a non-therapeutic, research-use-only reagent manufactured to in vivo grade with ultra-low endotoxin. With scalable milligram (mg) to gram (g) production, it provides high-throughput and bulk laboratories the quantities required for systematic kinetic analysis of murine FcγRIV engagement.

Other names: CD16-2, FCGR4, FCGRIV, FCR4, FCRIV, IGFR4, IGFRIV

Specificity: The sequence of the extracellular domain of mouse CD16-2 (Gly 21-Gln 203) 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.