

Mouse CD16a Protein - Biotin

Product Code: ICH3027B

More Information

Species Reactivity: Mouse

Target: Mouse CD16a Protein

Host: Human embryonic kidney (HEK) 293 cells

product name H2: Mouse CD16a Protein - Biotin

UniProt: P08508

Shipping Conditions: Ambient

background: As an activating Fc gamma receptor on murine NK cells and macrophages, mouse CD16a (FcγRIII) is important for modelling antibody-dependent effector function in vivo. This biotinylated recombinant mouse CD16a ectodomain from HEK 293 cells is designed for streptavidin-capture SPR, BLI and ELISA, where consistent orientation enhances kinetic measurement of Fc engagement. It is non-therapeutic and intended strictly for research use, prepared to in vivo grade with ultra-low endotoxin. Manufactured in scalable milligram (mg) to gram (g) batches, the reagent supports high-throughput and heavy-usage laboratories conducting large-scale murine Fc receptor binding and ADCC studies.

Other names: CD16, CD16A, FCGR3, FCGR3A, FCGRIII, FCGRIIIA, FCR3, FCR3A, FCRIII, FCRIIIA, IGFR3, IGFR3A, IGFRIII, IGFRIIIA, Fc gamma R3, Fc gamma R3a, Fc gamma RIII, Fc gamma RIIIA, Fcg R3, Fcg R3a, Fcg RIII, Fcg RIIIA

Specificity: The sequence of the extracellular domain of mouse CD16a (Leu 32-Thr 215) 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.