

Human CD16a (176V) Protein - Biotin

Product Code: ICH3015B

More Information

Species Reactivity: Human

Target: Human CD16a (176V) Protein

Host: Human embryonic kidney (HEK) 293 cells.

product name H2: Human CD16a (176V) Protein - Biotin

UniProt: P08637

Shipping Conditions: Ambient

background: The 176V allotype of CD16a (FcγRIIIa) represents the high-affinity form of this activating Fc receptor that powers NK-cell ADCC. Supplied as a biotinylated recombinant protein from HEK 293 cells, the CD16a (176V) ectodomain is ideal for capture-based SPR, BLI and ELISA assays where consistent orientation sharpens kinetic readouts of antibody Fc binding. This reagent is non-therapeutic and intended for research use only. It is produced to in vivo grade with ultra-low endotoxin and is available in scalable milligram (mg) to gram (g) batches, equipping heavy-usage and high-throughput laboratories for allotype-resolved Fc receptor and ADCC investigations.

Other names: Human Fc gamma RIIIa, CD16A, FCGR3A, FCGRIIIA, FCR3A, FCRIIIA, IGFR3A, IGFRIIIA

Specificity: The sequence of the extracellular domain of human CD16a (Gly 17-Gln 208) 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.