Human CD16b (NA1) Protein Biotin

Product Code: ICH3016B

More Information

Species Reactivity: Human

Target: Human CD16b (NA1) Protein

Host: Human embryonic kidney (HEK) 293 cells.

product name H2: Human CD16b (NA1) Protein Biotin

UniProt: O75015

Shipping Conditions: Ambient

background: The NA1 allotype of human CD16b (FcγRIIIb), the GPI-linked Fc receptor expressed almost exclusively on neutrophils, plays a role in immune-complex clearance and neutrophil effector responses. This biotinylated recombinant CD16b (NA1) ectodomain, expressed in HEK 293 cells, is designed for oriented streptavidin capture in SPR, BLI and ELISA workflows assessing Fc engagement and allotypic variation. It is a research-use-only, non-therapeutic protein prepared to in vivo grade standards with ultra-low endotoxin. With scalable milligram (mg) to gram (g) availability, it readily supports high-throughput screening and large-scale binding analyses of neutrophil Fc receptor interactions.

Other names: Human Fc gamma RIIIb, CD16B, FCGR3B, FCGRIIIB, FCR3B, FCRIIIB, IGFR3B, IGFRIIIB

Specificity: The sequence of the extracellular domain of human CD16b (Gly 17-Ser 200) 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.