

# Human CD16b (NA2) Protein - Biotin

**Product Code:** ICH3017B

## More Information

**Species Reactivity:** Human

**Target:** Human CD16b (NA2) Protein

**Host:** Human embryonic kidney (HEK) 293 cells.

**product name H2:** Human CD16b (NA2) Protein - Biotin

**UniProt:** O75015

**Shipping Conditions:** Ambient

**background:** Representing the NA2 polymorphic form of neutrophil CD16b (FcγRIIIb), this recombinant ectodomain captures a GPI-anchored Fc receptor that shapes granulocyte activation and immune-complex clearance. Offered as a biotinylated protein from HEK 293 cells, it enables oriented capture for SPR, BLI and ELISA measurements of antibody Fc engagement and allotypic differences. The reagent is strictly non-therapeutic and for research use only, manufactured to in vivo grade with ultra-low endotoxin. Scalable milligram (mg) to gram (g) production suits heavy-usage and high-throughput laboratories that require large, reproducible quantities for Fc receptor binding and neutrophil biology research.

**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 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.