

# Human CD16b (NA1) Protein (In Vivo Grade, Ultra-Low Endotoxin)

**Product Code:** ICH3016

## More Information

**Species Reactivity:** Human

**Target:** Human CD16b (NA1) Protein

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

**product name H2:** Human CD16b (NA1) Protein (In Vivo Grade, Ultra-Low Endotoxin)

**UniProt:** O75015

**Shipping Conditions:** Ambient

**background:** CD16b (FcγRIIIb) is a GPI-anchored, neutrophil-restricted Fc gamma receptor that contributes to immune-complex handling and granulocyte activation, with the NA1 allotype being one of its common polymorphic forms. This recombinant CD16b (NA1) ectodomain is produced in HEK 293 cells and validated for SPR, BLI and ELISA, providing a defined tool for measuring Fc binding and dissecting allotype-dependent neutrophil receptor engagement. Supplied for research use only in an in vivo grade, ultra-low-endotoxin format, it is manufactured at scalable milligram (mg) to gram (g) scale, giving bulk and high-throughput laboratories a reproducible CD16b reagent for granulocyte and Fc biology studies.

**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.