Human CD16b (NA2) Protein (In Vivo Grade, Ultra-Low Endotoxin)

Product Code: ICH3017

More Information

Species Reactivity: Human

Target: Human CD16b (NA2) Protein

Host: Human embryonic kidney (HEK) 293 cells.

product name H2: Human CD16b (NA2) Protein (In Vivo Grade, Ultra-Low Endotoxin)

UniProt: O75015

Shipping Conditions: Ambient

background: CD16b (FcγRIIIb) is the neutrophil-specific, GPI-anchored Fc gamma receptor, and its NA2 allotype is a frequent polymorphic variant relevant to granulocyte function and immune-complex biology. Expressed in HEK 293 cells, this recombinant CD16b (NA2) ectodomain is validated for SPR, BLI and ELISA, making it useful for quantifying Fc binding and comparing allotype-specific receptor behaviour. The protein is supplied for research use only in an in vivo grade, ultra-low-endotoxin format and is produced in scalable milligram (mg) to gram (g) quantities, allowing bulk and high-throughput laboratories to characterize neutrophil Fc receptor engagement with dependable consistency.

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.