

# Mouse CD16a Protein (In Vivo Grade, Ultra-Low Endotoxin)

**Product Code:** ICH3027

## More Information

**Species Reactivity:** Mouse

**Target:** Mouse CD16a Protein

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

**product name H2:** Mouse CD16a Protein (In Vivo Grade, Ultra-Low Endotoxin)

**UniProt:** P08508

**Shipping Conditions:** Ambient

**background:** Mouse CD16a (FcγRIII) is an activating Fc gamma receptor central to NK-cell and macrophage effector responses, widely used as a reference receptor in preclinical antibody-effector research. This recombinant mouse CD16a ectodomain is expressed in HEK 293 cells and validated for SPR, BLI and ELISA, providing a defined tool for Fc binding kinetics and ADCC-related characterization in murine systems. The protein is supplied for research use only in an in vivo grade, ultra-low-endotoxin format and produced at scalable milligram (mg) to gram (g) scale, giving bulk and high-throughput laboratories a reproducible murine activating Fc receptor reagent.

**Other names:** CD16, CD16A, FCGR3, FCGR3A, FCGRIII, FCGRIIIA, FCR3, FCR3A, FCRIII, FCRIIIA, IGFR3, IGFR3A, IGFRIII, IGFRIIIA, Fc gamma R3, Fc gamma R3a, Fc gamma RIII, Fc gamma RIIIA, Fcg R3, Fcg R3a, Fcg RIII, Fcg RIIIA

**Specificity:** The sequence of the extracellular domain of mouse CD16a (Leu 32-Thr 215) 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.