

# Mouse CD64 Protein - Biotin

**Product Code:** ICH3025B

**More Information**

**Species Reactivity:** Mouse

**Target:** Mouse CD64 Protein

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

**product name H2:** Mouse CD64 Protein - Biotin

**UniProt:** P26151

**Shipping Conditions:** Ambient

**background:** Mouse CD64 (FcγRI), the high-affinity receptor for monomeric IgG, drives activating signals in murine myeloid cells and is a useful benchmark for preclinical Fc studies. This biotinylated recombinant mouse CD64 ectodomain from HEK 293 cells is tailored for streptavidin-capture SPR, BLI and ELISA, where oriented immobilization improves the precision of Fc binding kinetics. The reagent is non-therapeutic and for research use only, prepared to in vivo grade standards with ultra-low endotoxin. With scalable milligram (mg) to gram (g) production, it equips high-throughput and heavy-usage laboratories for large-scale murine Fc receptor binding and antibody-effector experiments.

**Other names:** CD64, CD64A, FCGR1, FCGRI, FCGR1A, FCGRIA, FCR1, FCRI, IGFR1, IGFRI, Fc gamma R1, Fc gamma RI, Fcg R1, Fcg RI

**Specificity:** The sequence of the extracellular domain of mouse CD64 (Glu 25-Pro 297) 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.

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**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.