

Mouse CD64 Protein (In Vivo Grade, Ultra-Low Endotoxin)

Product Code: ICH3025

More Information

Species Reactivity: Mouse

Target: Mouse CD64 Protein

Host: Human embryonic kidney (HEK) 293 cells

product name H2: Mouse CD64 Protein (In Vivo Grade, Ultra-Low Endotoxin)

UniProt: P26151

Shipping Conditions: Ambient

background: As the only high-affinity Fc gamma receptor for monomeric IgG, CD64 (FcγRI) is a central activating receptor on mouse myeloid cells and an important reference in preclinical antibody work. This recombinant mouse CD64 ectodomain is expressed in HEK 293 cells and validated for SPR, BLI and ELISA, making it a defined tool for Fc binding kinetics, myeloid-receptor characterization and mouse-model antibody studies. It is supplied for research use only in an in vivo grade, ultra-low-endotoxin format and produced in scalable milligram (mg) to gram (g) quantities, giving bulk and high-throughput laboratories a reproducible murine Fc receptor reagent for effector-function research.

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.

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.