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

Product Code: ICH3010

More Information

Species Reactivity: Human

Target: Human CD64 Protein

Host: Human embryonic kidney (HEK) 293 cells.

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

UniProt: P12314

Shipping Conditions: Ambient

background: CD64 (FcgammaRI) is the high-affinity receptor for IgG, central to phagocytosis, antibody-dependent effector functions, and myeloid-cell biology. This product is a recombinant human CD64 protein, not an antibody, expressed in HEK293 cells and validated for SPR, BLI, and ELISA-based binding studies. Manufactured to in vivo-grade, ultra-low-endotoxin standards, it is supplied in scalable milligram to gram quantities to meet the demands of bulk and high-throughput laboratories. Researchers use this recombinant CD64 as a binding partner and reference antigen in Fc-receptor interaction assays, kinetic characterization, and assay development, with the protein provided strictly for research use only.

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

Specificity: The sequence of the extracellular domain of human CD64 (Gln 16-Leu 281) 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.