

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

Product Code: ICH3030

More Information

Species Reactivity: Marmoset (*Callithrix jacchus*)

Target: Marmoset CD64 Protein

Host: Human embryonic kidney (HEK) 293 cells

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

UniProt: F7CF61

Shipping Conditions: Ambient

background: The marmoset is a valuable non-human-primate model for translational immunology, and a defined CD64 reagent helps bridge species in antibody-effector research. CD64 (FcγRI) is the high-affinity receptor for monomeric IgG that initiates activating myeloid responses. This recombinant marmoset CD64 ectodomain is expressed in HEK 293 cells and validated for SPR, BLI and ELISA, enabling cross-species Fc binding characterization. Offered for research use only in an in vivo grade, ultra-low-endotoxin format, it is manufactured in scalable milligram (mg) to gram (g) quantities, providing bulk and high-throughput laboratories with reproducible material for primate Fc receptor studies.

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 marmoset CD64 (Gln 16-Pro 288) 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.