

Pig CD32a Protein (In Vivo Grade, Ultra-Low Endotoxin)

Product Code: ICH3021

More Information

Species Reactivity: Pig (*sus scrofa domesticus*)

Target: Pig CD32a Protein

Host: Human embryonic kidney (HEK) 293 cells

product name H2: Pig CD32a Protein (In Vivo Grade, Ultra-Low Endotoxin)

UniProt: XP_020945179.1

Shipping Conditions: Ambient

background: CD32a (FcγRIIIa) is an activating, immune-complex-binding Fc gamma receptor on myeloid cells and platelets, and characterizing its porcine counterpart matters for translational and xenotransplantation research in swine. Expressed in HEK 293 cells, this recombinant pig CD32a ectodomain is validated for SPR, BLI and ELISA, enabling cross-species comparison of antibody Fc engagement and immune-complex binding. It is a non-therapeutic reagent for research use only, prepared to in vivo grade specifications with ultra-low endotoxin. Manufactured in scalable milligram (mg) to gram (g) quantities, it gives high-throughput and bulk laboratories a dependable tool for porcine Fc receptor and antibody-effector studies.

Other names: CD32, CD32A, FCGR2, FCGR2A, FCGR11, FCGR11A, FCR2, FCR2A, FCRII, FCRIIA, IGFR2, IGFR2A, IGFR11, IGFR11A, Fc gamma R2, Fc gamma R2a, Fc gamma R11, Fc gamma R11a, Fcg R2, Fcg R2a, Fcg R11, Fcg R11a

Specificity: The sequence of the extracellular domain of porcine CD32a (Ala 1-Gln 185) 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.