

Pig CD32b Protein (In Vivo Grade, Ultra-Low Endotoxin)

Product Code: ICH3022

More Information

Species Reactivity: Pig (*sus scrofa domesticus*)

Target: Pig CD32b Protein

Host: Human embryonic kidney (HEK) 293 cells

product name H2: Pig CD32b Protein (In Vivo Grade, Ultra-Low Endotoxin)

UniProt: ADR51168.1

Shipping Conditions: Ambient

background: The inhibitory receptor CD32b (FcγRIIb) restrains immune-cell activation across species, and a defined porcine form supports growing interest in pig models for translational immunology and xenotransplantation. This recombinant pig CD32b ectodomain, produced in HEK 293 cells, is validated for SPR, BLI and ELISA and is well suited to comparative Fc binding measurements and analysis of inhibitory-receptor engagement in swine. Offered for research use only as an in vivo grade, ultra-low-endotoxin protein, it is manufactured in scalable milligram (mg) to gram (g) batches, allowing bulk and high-throughput laboratories to study porcine Fc receptor function with consistent, reproducible material.

Other names: CD32, CD32B, FCGR2, FCGR2B, FCGRII, FCGRIIB, FCR2, FCR2B, FCRII, FCRIIB, IGFR2, IGFR2B, IGFRII, IGFRIIB, Fc gamma R2, Fc gamma R2b, Fc gamma RII, Fc gamma RIIb, Fcg R2, Fcg R2b, Fcg RII, Fcg RIIb

Specificity: The sequence of the extracellular domain of porcine CD32b (Ala 45-Ser 217) 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.