Datasheet for ABIN7519988

FCGR3A Protein (Fc Tag,His tag)

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Overview

Quantity:	10 µg
Target:	FCGR3A
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This FCGR3A protein is labelled with Fc Tag,His tag.

Product Details

Purpose:	Active Recombinant Human Fc-gamma RIII alpha/CD16a Protein
Sequence:	GMRTEDLPKA VVFLEPQWYR VLEKDSVTLK CQGAYSPEDN STQWFHNESL ISSQASSYFI DAATVDDSGE YRCQTNLSTL SDPVQLEVHI GWLLLQAPRW VFKEEDPIHL RCHSWKNTAL HKVTYLQNGK GRKYFHHNSD FYIPKATLKD SGSYFCRGLF GSKNVSSETV NITITQGLAV STISSFFPPG YQ
Specificity:	Gly17-Gln208
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.1 EU/µg of the protein by LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized Human FCGR3A at 1 µg/mL (100 µL/well) can bind FCGR3A Mouse mAb with a linear range of 0.13-7.9 ng/mL.

Target Details

Target:	FCGR3A
Alternative Name:	Fc-gamma RIII alpha/CD16a (FCGR3A Products)
Background:	Description: This protein is a receptor for the Fc portion of immunoglobulin G, and it is involved in the removal of antigen-antibody complexes from the circulation, as well as other other antibody-dependent responses. The protein is expressed on natural killer (NK) cells as an integral membrane glycoprotein anchored through a transmembrane peptide, whereas FCGR3B is expressed on polymorphonuclear neutrophils (PMN) where the receptor is anchored through a phosphatidylinositol (PI) linkage. Mutations in this gene have been linked to susceptibility to recurrent viral infections, susceptibility to systemic lupus erythematosus, and alloimmune neonatal neutropenia. Name: CD16,CD16A,FCG3,FCGR3,FCGRIII,FCR-10,FCRIII,FCRIIIA,IGFR3,IMD20,FCGR3A, CD16, CD16A, FCG3, FCGR3, FCGRIII, FCR-10, FCRIII, FCRIIIA, IGFR3, IMD20, Fc fragment of IgG receptor IIIa
Gene ID:	2214
UniProt:	P08637

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid votex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.