Datasheet for ABIN7519989

FCGR3B Protein (His tag)

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Overview

Quantity:	20 µg
Target:	FCGR3B
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This FCGR3B protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Fc-gamma RIII beta/CD16b Protein
Sequence:	TEDLPKAVVF LEPQWYSVLE KDSVTLKCQG AYSPEDNSTQ WFHNENLISS QASSYFIDAA TVNDSGEYRC QTNLSTLSDP VQLEVHIGWL LLQAPRWVFK EEDPIHLRCH SWKNTALHKV TYLQNGKDRK YFHHNSDFHI PKATLKDSGS YFCRGLVGSK NVSSETVNIT ITQGLAVSTI SSFSPPGYQ
Specificity:	Thr20-Gln208
Purity:	> 97 % 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 APC anti-human CD16 Antibody at 1µg/mL (25 µL/well) can bind Human FCGR3B with a linear range of 0.46-1.16ng/mL.

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Target Details

Target:	FCGR3B
Alternative Name:	Fc-gamma RIII beta/CD16b (FCGR3B Products)
Background:	Description: CD16 is a low affinity Fc receptor, and has been identified as Fc receptors FcγRIIIa (CD16a) and FcγRIIIb (CD16b). These receptors function in the activation or inhibition of immune responses. CD16 encoded by two different highly homologous genes in a cell type-specific manner.CD16 is found on the surface of natural killer cells, neutrophil polymorphonuclear leukocytes, monocytes and macrophages. CD16B is also kown as FCGR3B and FCG3B, is expressed specifically by polymorphonuclear leukocytes (neutrophils) and stimulated eosinophils. CD16B is the low affinity receptor for the Fc region of immunoglobulins gamma. CD16B may serve as a trap for immune complexes in the peripheral circulation which does not activate neutrophils. Name: FCGR3B,CD16,CD16b,FCG3,FCGR3,FCR-10,FCRIII,FCRIIIb
Gene ID:	2215
UniProt:	O75015

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.