Datasheet for ABIN2180752

FCGR2A Protein (AA 36-218) (His tag)

1 Image | 1 Publication

Go to Product page

Overview

Quantity:	100 µg
Target:	FCGR2A
Protein Characteristics:	AA 36-218
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This FCGR2A protein is labelled with His tag.

Product Details

Brand:	MABSol®
Sequence:	AA 36-218
Characteristics:	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 21.2 kDa. The protein migrates as 29-32 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Purity:	>95 % as determined by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	FCGR2A
Alternative Name:	Fc gamma RIIA / CD32a (FCGR2A Products)
Background:	Receptors for the Fc region of IgG (Fc γ R) are members of the Ig superfamily that function in the activation or inhibition of immune responses. Three classes of human Fc γ Rs: RI (CD64), RII (CD32), and RIII (CD16), which generate multiple isoforms, are recognized. There are three genes for human Fcγ RII /CD32 (A, B, and C) and one for mouse Fcγ RII B (CD32B). CD32 is a low affinity receptor for IgG. The activating isoform, CD32A, is expressed on monocytes, neutrophils, platelets and dendritic cells. CD32A is expressed on many immune cell types (macrophage, neutrophil, eosinophils, platelets, dendritic cells and Langerhan cells), where inhibitory ITIM-bearing receptors may also be coexpressed and co-engaged by specific ligands. CD32A delivers an activating signal upon ligand binding, and results in the initiation of inflammatory responses including cytolysis, phagocytosis, degranulation and cytokine production. The responses can be modulated by signals from the coexpressed inhibitory receptors such as CD32B, and the strength of the signal is dependent on the ratio of expression of the activating and inhibitory receptors.
Molecular Weight:	21.6 kDa

Application Details

Restrictions:	For Research Use only

Handling

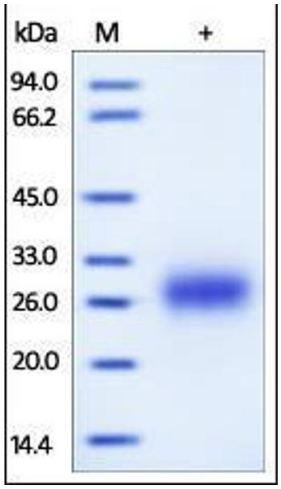
Format:	Lyophilized
Buffer:	PBS, pH 7.4
Handling Advice:	Please avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	No activity loss was observed after storage at: In lyophilized state for 1 year (4 °C), After reconstitution under sterile conditions for 3 months (-70 °C).

Publications

Product cited in:	McGonigle, Majumder, Kolber-Simonds, Wu, Hart, Noland, TenDyke, Custar, Li, Du, Postema, Lai, Twine, Woodall-Jappe, Nomoto: "Neuropilin-1 drives tumor-specific uptake of chlorotoxin." in: **Cell communication and signaling : CCS**, Vol. 17, Issue 1, pp. 67, (2019) (PubMed).

Publications

Images



SDS-PAGE

Image 1.