antibodies .- online.com





FCGR2B Protein (AA 46-217) (His-Avi Tag)

3 Images



Go to Product page

Overview

Quantity:	100 μg
Target:	FCGR2B
Protein Characteristics:	AA 46-217
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FCGR2B protein is labelled with His-Avi Tag.

Product Details

Purpose:	Human Fc gamma RIIB/CD32b Protein
Sequence:	Ala46-Pro217
Characteristics:	Recombinant Human Fc gamma RIIB/CD32b Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.It contains Ala46-Pro217.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	The affinity constant of $9.4\mu M$ as determined in SPR assay (Biacore T200). See testing image for detail.

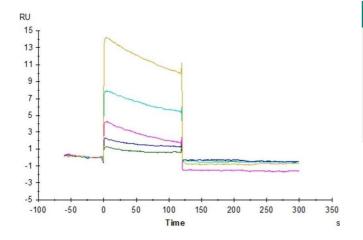
Target Details

Target:	FCGR2B
Alternative Name:	Fc gamma RIIB (FCGR2B Products)
Background:	The Fc gamma Rs have been divided into three classes based on close relationships in their extracellular domains, these groups are designated Fc gamma RI (also known as CD64), Fc gamma RII (CD32), and Fc gamma RIII (CD16). Each group may be encoded by multiple genes and exist in different isoforms depending on species and cell type.
Molecular Weight:	22.5 kDa. Due to glycosylation, the protein migrates to 32-37 kDa based on Tris-Bis PAGE result.
Pathways:	Cellular Response to Molecule of Bacterial Origin, Regulation of Leukocyte Mediated Immunity, Production of Molecular Mediator of Immune Response, BCR Signaling

Application Details

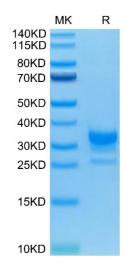
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



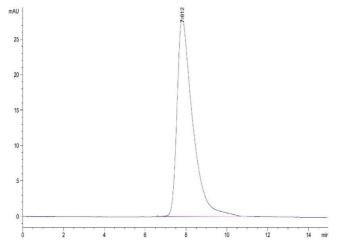
Surface Plasmon Resonance

Image 1. Human Fc gamma RIIB, His Tag captured on CM5 Chip via anti-His antibody can bind Rituximab, hFc Tag with an affinity constant of $9.4\mu M$ as determined in SPR assay (Biacore T200).



SDS-PAGE

Image 2. Human Fc gamma RIIB on Tris-Bis PAGE under reduced condition. The purity is greater than $95\,\%$.



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 3. The purity of Human Fc gamma RIIB is greater than 95 % as determined by SEC-HPLC.