

Datasheet for ABIN7274600

**FCGR3B Protein (AA 17-200) (His-Avi Tag)****4** Images[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	FCGR3B
Protein Characteristics:	AA 17-200
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FCGR3B protein is labelled with His-Avi Tag.

## Product Details

Purpose:	Human Fc gamma RIIB/CD16b (NA2) Protein
Sequence:	Gly17-Ser200 (NA2)
Characteristics:	Recombinant Human Fc gamma RIIB/CD16b (NA2) Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Gly17-Ser200(NA2). The CD16b NA1 differ with the CD16b NA2 in AA36, 65, 82, and 106. The CD16b NA1 form carries R36, N65, D82, and V106, while the CD16b NA2 form carries S36, S65, N82, and I106.
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 0.52 µM as determined in SPR assay (Biacore T200). See testing image for detail.

## Target Details

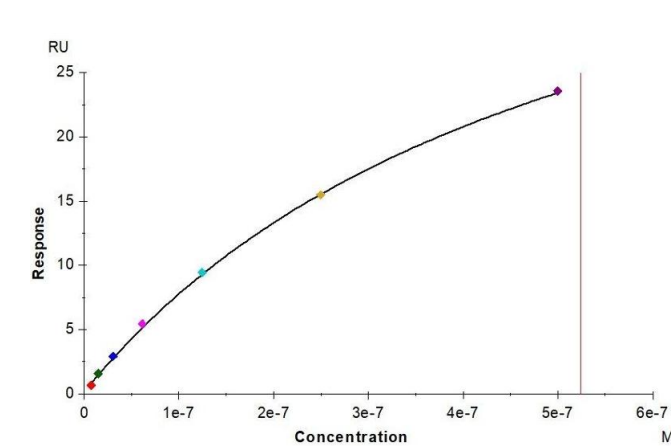
Target:	FCGR3B
Alternative Name:	Fc gamma RIIB ( <a href="#">FCGR3B Products</a> )
Background:	Human Fc gamma RIIB/CD16b Protein is a receptor for the Fc region of immunoglobulins gamma. Low affinity receptor. Binds complexed or aggregated IgG and also monomeric IgG. Contrary to III-A, is not capable to mediate antibody-dependent cytotoxicity and phagocytosis. May serve as a trap for immune complexes in the peripheral circulation which does not activate neutrophils.
Molecular Weight:	23.7 kDa. Due to glycosylation, the protein migrates to 47-53 kDa based on Tris-Bis PAGE result.

## Application Details

Restrictions:	For Research Use only
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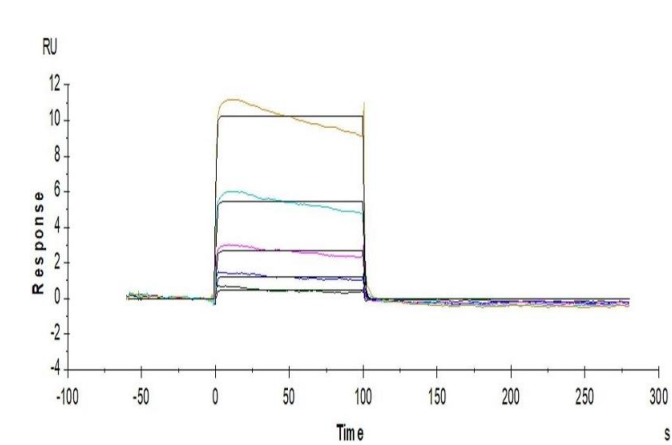
## Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/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



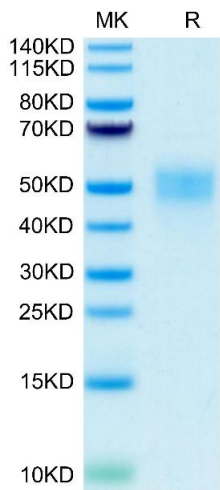
Surface Plasmon Resonance

**Image 1.** Human Fc gamma RIIIB (NA2) , His Tag captured on CM5 Chip via anti-his antibody can bind Rituximab with an affinity constant of 0.52  $\mu$ M as determined in SPR assay (Biacore T200).



Surface Plasmon Resonance

**Image 2.** Human Fc gamma RIIIB, His Tag captured on CM5 Chip via anti-His antibody can bind Rituximab, hFc Tag with an affinity constant of 1.3 $\mu$ M as determined in SPR assay (Biacore T200).



SDS-PAGE

**Image 3.** Human Fc gamma RIIIB/CD16b on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7274600.