

Datasheet for ABIN7274281

FCGR3A Protein (AA 17-208) (His-Avi Tag)

4 Images

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Overview

Quantity:	100 µg
Target:	FCGR3A
Protein Characteristics:	AA 17-208
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FCGR3A protein is labelled with His-Avi Tag.

Product Details

Purpose:	Human Fc gamma RIIIA/CD16a (F176) Protein
Sequence:	Gly17-Gln208 (F176)
Characteristics:	Recombinant Human Fc gamma RIIIA/CD16a (F176) Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus..It contains Gly17-Gln208(F176).
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:	Immobilized Human Fc gamma RIIIA (F176) , His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Anti-Fc gamma RIIIA Antibody, hFc Tag with the EC50 of 85.6ng/ml determined by ELISA. The affinity constant of 0.92µM as determined in SPR assay (Biacore T200). See testing image for detail.

Target Details

Target:	FCGR3A
Alternative Name:	Fc gamma RIIIA (FCGR3A Products)
Background:	Human Fc gamma RIIIA/CD16a Protein is a receptor for the Fc region of IgG. Binds complexed or aggregated IgG and also monomeric IgG. Mediates antibody-dependent cellular cytotoxicity (ADCC) and other antibody-dependent responses, such as phagocytosis.
Molecular Weight:	24.7 kDa. Due to glycosylation, the protein migrates to 48-58 kDa based on Tris-Bis PAGE result.

Application Details

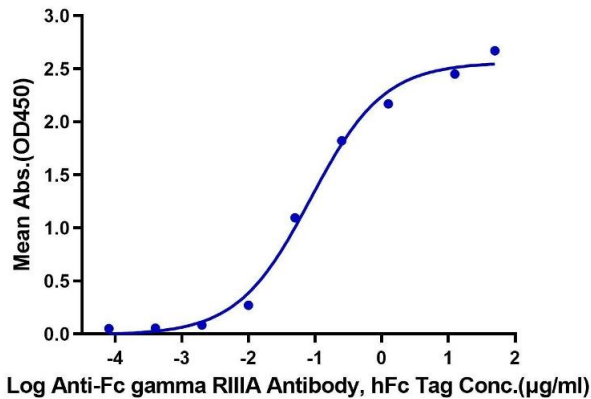
Restrictions:	For Research Use only
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Handling

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

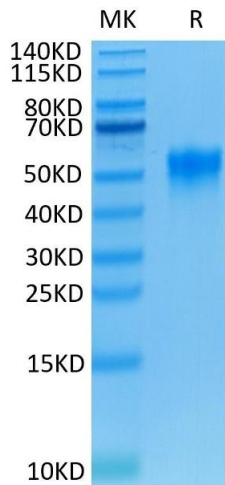
Human Fc gamma RIIIA (F176) , His Tag ELISA

0.2µg Human Fc gamma RIIIA (F176) , His Tag Per Well



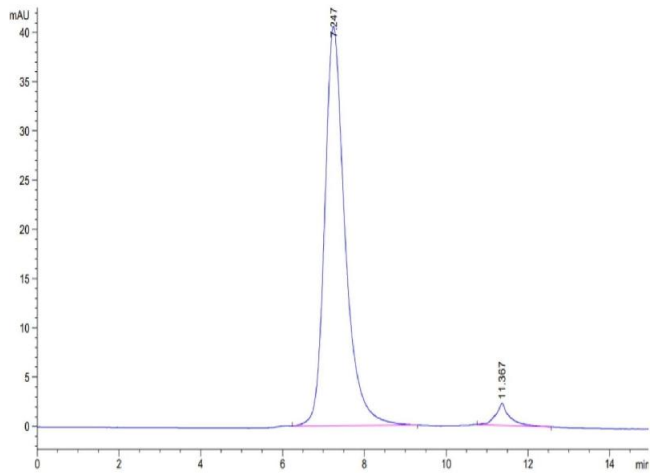
ELISA

Image 1. Immobilized Human Fc gamma RIIIA (F176) , His Tag at 2 µg/mL (100 µL/well) on the plate. Dose response curve for Anti-Fc gamma RIIIA Antibody, hFc Tag with the EC50 of 85.6 ng/mL determined by ELISA.



SDS-PAGE

Image 2. Human Fc gamma RIIIA/CD16a (F176) on Tris-Bis PAGE under reduced conditions. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 3. The purity of Human Fc gamma RIIIA/CD16a (F176) is greater than 95 % as determined by SEC-HPLC.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7274281.