

Datasheet for ABIN7274282

FCGR3A Protein (His-Avi Tag,Biotin)

4 Images

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Overview

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

Product Details

Sequence:	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 Anti-Fc gamma RIIIA Antibody, hFc Tag at 1µg/ml (100µl/Well) on the plate. Dose response curve for Biotinylated Human Fc gamma RIIIA (F176) , His Tag with the EC50 of 37.7ng/ml determined by ELISA. The affinity constant of 0.14µM as determined in SPR assay (Biacore T200). See testing image for detail.

Target Details

Target:	FCGR3A
Alternative Name:	Fc gamma RIIIA (FCGR3A Products)
Background:	CD16FCRIIA, Fc fragment of IgG, Fc gamma RIIIA, Fc-gamma RIII-alpha, FCGR3, FCGR3A,

Target Details

FCGR3, FcγRIIIa, FcR-10, CD16A, FCG3, IGFR3, FcRIIIa, FcRIII, CD16, IMD20, 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

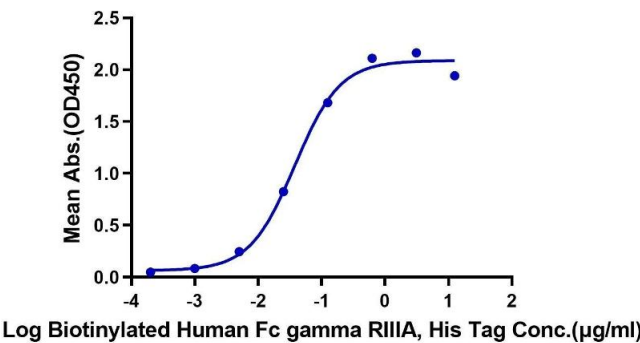
Restrictions: For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5 % trehalose is added as protectant before lyophilization.
Storage:	4 °C,-80 °C
Storage Comment:	Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
Expiry Date:	12 months

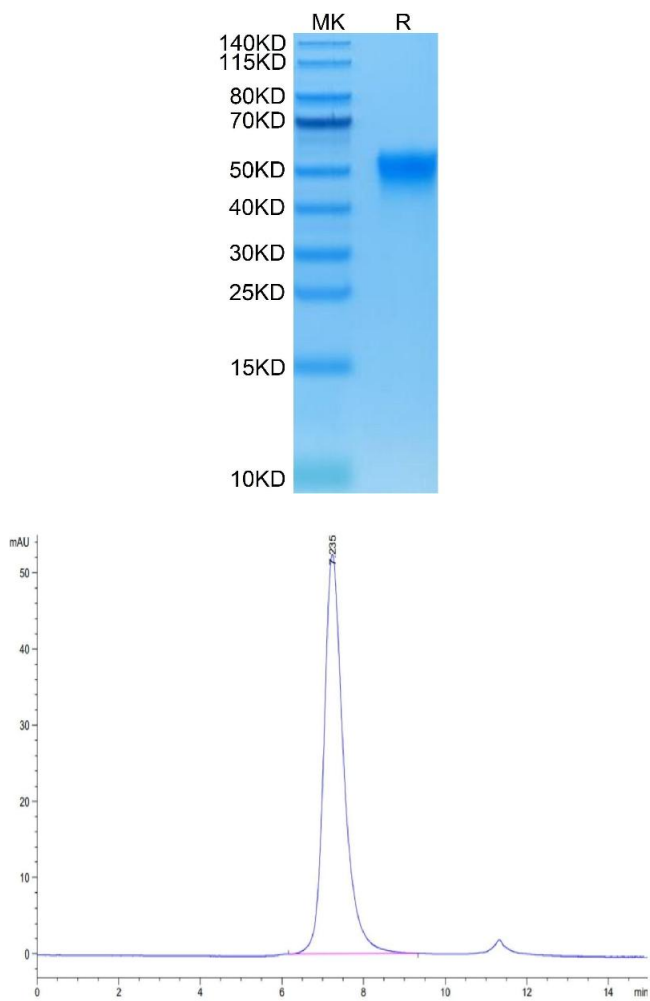
Images

Biotinylated Human Fc gamma RIIIA, His Tag ELISA
0.1µg Anti-Fc gamma RIIIA Antibody, hFc Tag Per Well



ELISA

Image 1. Immobilized Anti-Fc gamma RIIIA Antibody, hFc Tag at 1 µg/mL (100 µL/Well) on the plate. Dose response curve for Biotinylated Human Fc gamma RIIIA (F176) , His Tag with the EC50 of 37.7 ng/mL determined by ELISA.



SDS-PAGE

Image 2. Biotinylated Human Fc gamma RIIIA 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 Biotinylated Human Fc gamma RIIIA is greater than 95 % as determined by SEC-HPLC.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7274282.