

Non-biotinylated Human Fc gamma RIIIA/CD16a (V176) Protein

Cat. No. FCR-HM43A



Description

Source	Recombinant Human Fc gamma RIIIA/CD16a (V176) Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.
	It contains Gly17-Gln208(V176).
Accession	AAH17865
Molecular Weight	The protein has a predicted MW of 24.7 kDa. Due to glycosylation, the protein migrates to 50-55 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

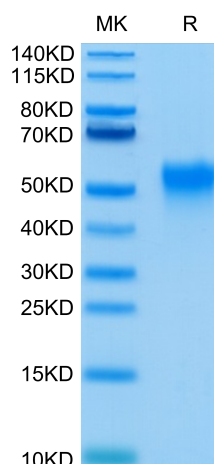
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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.

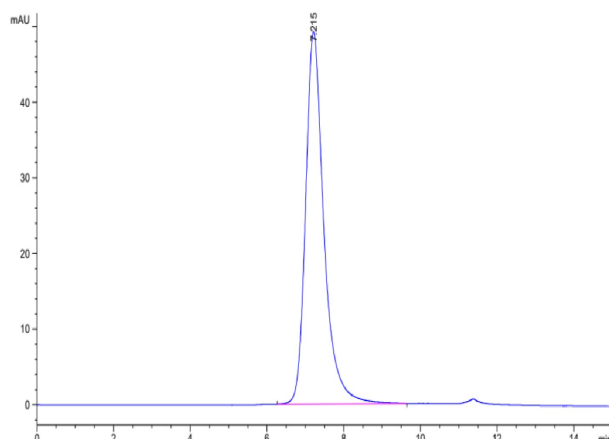
Assay Data

Bis-Tris PAGE



Human Fc gamma RIIIA (V176) on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Fc gamma RIIIA (V176) is greater than 95% as determined by SEC-HPLC.

Non-biotinylated Human Fc gamma RIIIA/CD16a (V176) Protein

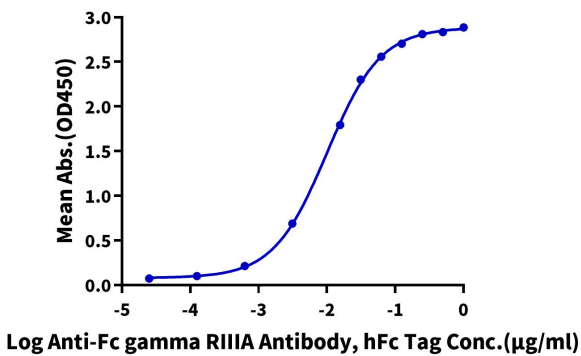


Cat. No. FCR-HM43A

Assay Data

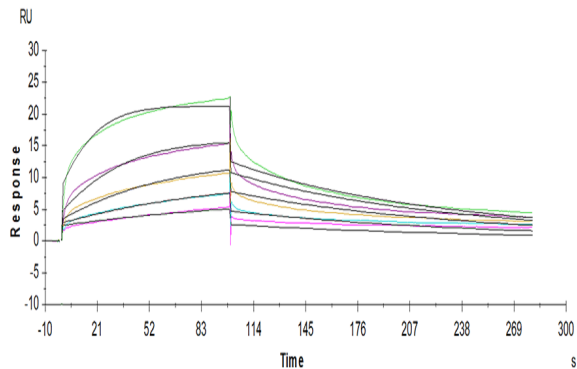
ELISA Data

Human Fc gamma RIIIA (V176), His Tag ELISA
0.2μg Human Fc gamma RIIIA (V176), His Tag Per Well



Immobilized Human Fc gamma RIIIA (V176), 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 10.0ng/ml determined by ELISA (QC test).

SPR Data



Human Fc gamma RIIIA (V176) , His Tag captured on CM5 Chip via Anti-His Antibody can bind Herceptin, hFc Tag with an affinity constant of 67.3nM as determined in SPR assay (Biacore T200).