

Human Fc gamma RIIIA/CD16a (F176) Protein



Cat. No. CDA-HM416

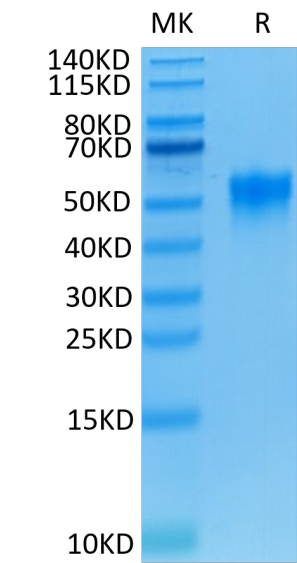
Description	
Source	Recombinant Human Fc gamma RIIIA/CD16a (F176) Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.. It contains Gly17-Gln208(F176).
Accession	P08637-1
Molecular Weight	The protein has a predicted MW of 24.7 kDa. Due to glycosylation, the protein migrates to 48-58 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 (F176) on Bis-Tris PAGE under reduced conditions. The purity is greater than 95%.

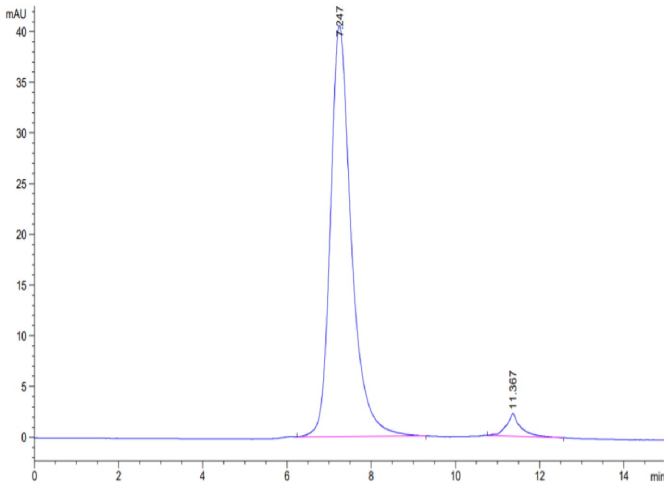
SEC-HPLC

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Assay Data

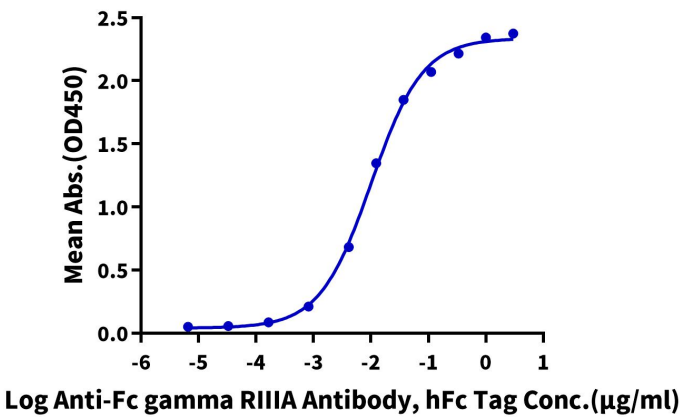


The purity of Human Fc gamma RIIIA (F176) is greater than 95% as determined by SEC-HPLC.

ELISA Data

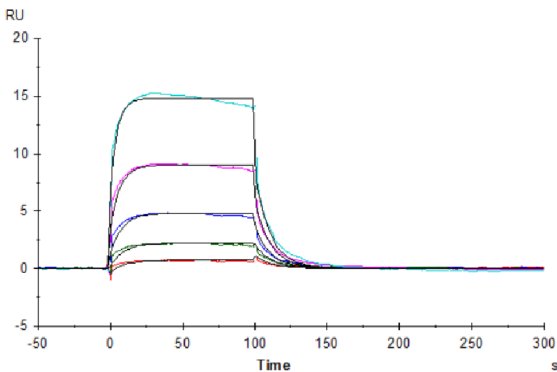
Human Fc gamma RIIIA (F176), His Tag ELISA

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



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 10.1ng/ml determined by ELISA (QC Test).

SPR Data



Human Fc gamma RIIIA (F176) , His Tag captured on CM5 Chip via anti-His antibody can bind Rituximab, hFc Tag with an affinity constant of 0.92µM as determined in SPR assay (Biacore T200).