Biotinylated Human Fc gamma RIIIB/CD16b (NA1) Protein

Cat. No. FCR-HM41BB

Description

Source	Recombinant Biotinylated Human Fc gamma RIIIB/CD16b (NA1) Protein is expressed from HEK293 with His tag and Avi tag at the C-terminus.
	It contains Gly17-Ser200.
Accession	AAA35881.1
Molecular Weight	The protein has a predicted MW of 23.81 kDa. Due to glycosylation, the protein migrates to 43-53 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

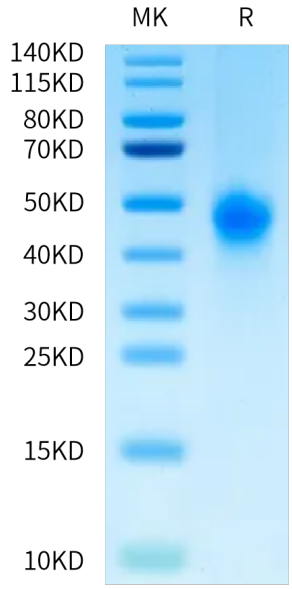
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 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 RIIIB/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.

Assay Data

Bis-Tris PAGE



Biotinylated Human Fc gamma RIIIB (NA1) on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

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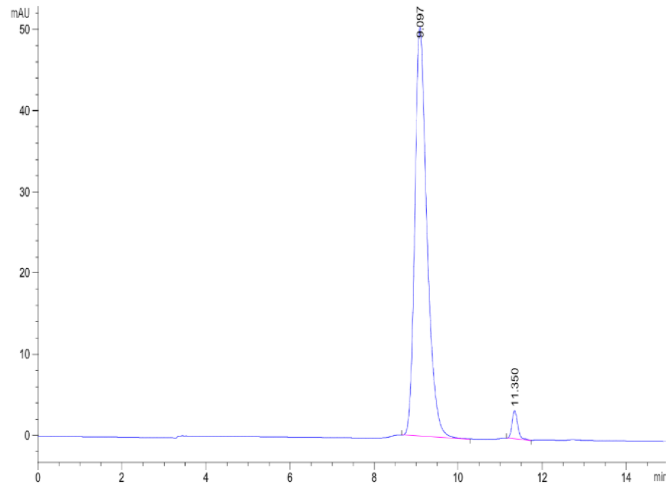
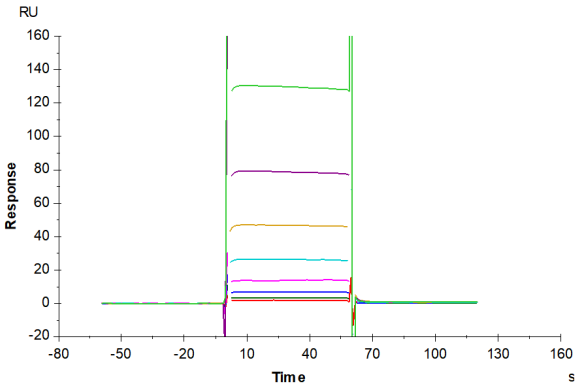
Assay Data



The purity of Biotinylated Human Fc gamma RIIIB (NA1) is greater than 95% as determined by SEC-HPLC.

SPR Data



Biotinylated Human Fc gamma RIIIB (NA1), His Tag captured on CM5 Chip via anti-his antibody can bind Rituximab with an affinity constant of 8.00 μM as determined in SPR assay (Biacore T200).