

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 Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Formulation and Storage

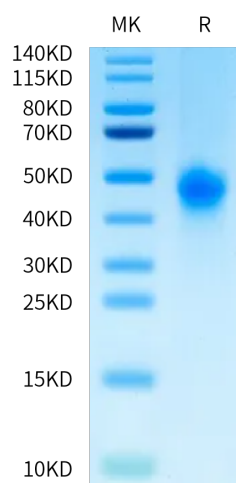
Formulation	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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.

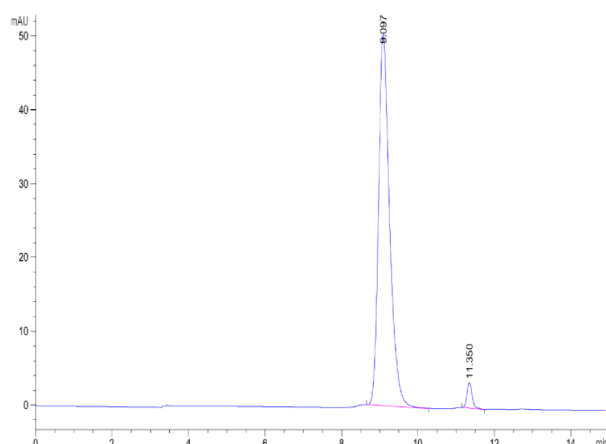
Assay Data

Tris-Bis PAGE



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

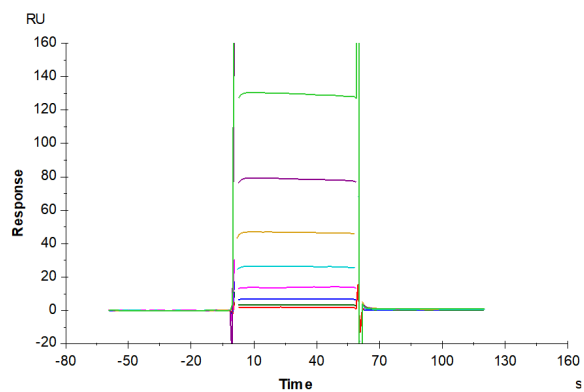
SEC-HPLC



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

Assay Data

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 μ M as determined in SPR assay (Biacore T200).