

Human Fc gamma RIIB/CD16b (NA2) Protein

HA210179



Product name:	Human Fc gamma RIIB/CD16b (NA2) Protein
Species reactivity:	Human
Protein construction description:	Recombinant Human Fc gamma RIIB/CD16b (NA2) Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Gly17-Ser200(NA2). The CD16b NA1 differ with the CD16b NA2 in AA36, 65, 82, and 106. The CD16b NA1 form carries R36, N65, D82, and V106, while the CD16b NA2 form carries S36, S65, N82, and I106.[Accession O75015-1]
Background:	Human Fc gamma RIIB/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.
Purity:	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC
Endotoxin:	Less than 1EU per µg by the LAL method.
Source:	HEK293
Accession:	O75015-1
Predicted molecular mass:	The protein has a predicted MW of 23.7 kDa. Due to glycosylation, the protein migrates to 47-53 kDa based on Tris-Bis PAGE result.
Formulation:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage:	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3-6 months after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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Applications: WB=Western blot IHC-P=Immunohistochemistry (paraffin) IF-Cell=Immunofluorescence (Cell) IF-Tissue=Immunofluorescence (Tissue) FC=Flow cytometry IP=Immunoprecipitation

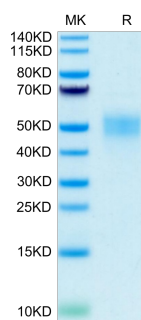


Fig1: Human Fc gamma RIIB (NA2) on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

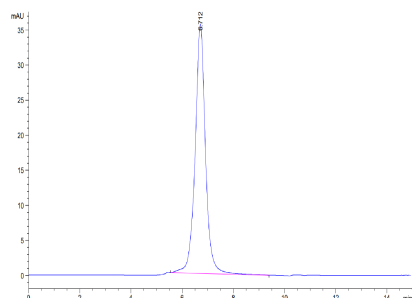


Fig2: The purity of Human Fc gamma RIIB (NA2) is greater than 95% as determined by SEC-HPLC.

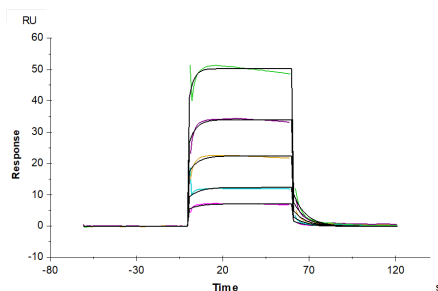


Fig3: Human Fc gamma RIIB (NA2), His Tag captured on CM5 Chip via Anti-his antibody can bind Rituximab with an affinity constant of 2.33 μ M as determined in SPR assay (Biacore T200).

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

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