Biotinylated Recombinant Human Fc-gamma RIII beta/FCGR3B/CD16b (S36R, N82D, I106V) Protein

Catalog No.: RP00473BLQ

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Sequence Information

Species
Human

Gene ID
2215

Swiss Prot
O75015

Tags
C-His&Avi

Synonyms
CD16; Fc gamma RIIIB; FCG3; FCGR3B; FcgRIIIB; FCRIIIB; IGFR3; CD16b (NA2); CD16B; FCG3B; FCG3; FCGR3; FCR-10

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE;≥ 95 % as determined by HPLC.

Calculated MW
23.81 kDa

Observed MW
43-53 kDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Supplied as 0.22 μm filtered solution in PBS (pH 7.4).

Reconstitution

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.

Basic Information

Description
Biotinylated Recombinant Human Fc gamma RIII beta/FCGR3B/CD16b (S36R, N82D, I106V) Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gly17-Ser200) of Human Fc gamma RIII beta/FCGR3B/CD16b (S36R,N82D,I106V) (Accession #O75015) fused with a C-His&Avi tag at the C-terminus.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -70℃

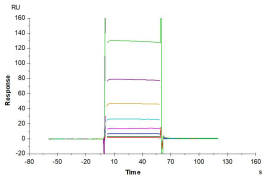
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

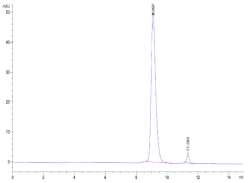
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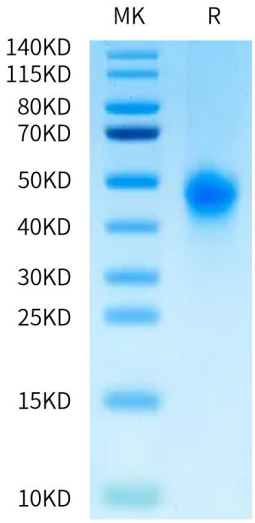
Validation Data



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).



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



Biotinylated Recombinant Human Fc-gamma RIII beta/FCGR3B/CD16b (S36R, N82D, I106V) Protein was determined by Tris-Bis PAGE under reducing conditions.