

Recombinant Cynomolgus Fc gamma RIII/CD16 Protein

Catalog No.: RP02640

Sequence Information

Species **Gene ID**
Cynomolgus 102140945

Swiss Prot **Tags**
Q8SPW2-1 C-His

Synonyms

IgG Fc receptor III; Fc-gamma RIII;
FcRIII; FCGR3; CD16; CD16A;
FCG3; FcgRIII; FCR-10; FCRIIIA;
IGFR3; IMD20

Product Information

Source **Purification**
HEK293 cells ≥ 95 % as
determined by
Tris-Bis PAGE; ≥
95 % as
determined by
HPLC.

Calculated MW Observed MW

23.1 kDa 45-55 kDa

Endotoxin

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

Formulation

Reconstitution

Centrifuge the tube before
opening. Reconstitute to a
concentration of 0.1-0.5 mg/mL in
sterile distilled water. Avoid vortex
or vigorously pipetting the protein.
For long term storage, it is
recommended to add a carrier
protein or stabilizer (e.g. 0.1% BSA,
5% HSA, 10% FBS or 5%
Trehalose), and aliquot the
reconstituted protein solution to
minimize free-thaw cycles.

Background

Immunoglobulin G (IgG) Fc receptors play a critical role in linking IgG
antibody-mediated immune responses with cellular effector functions. A high
resolution map of the binding site on human IgG1 for human Fc gamma RI, Fc
gamma RIIA, Fc gamma RIIB, Fc gamma RIIA, and FcRn receptors has been
determined. A common set of IgG1 residues is involved in binding to all Fc
gamma R; Fc gamma RII and Fc gamma RIII also utilize residues outside this
common set.

Basic Information

Description

Recombinant Cynomolgus Fc gamma RIII/CD16 Protein is expressed from
Expi293 with His tag at the C-terminal.; It contains Gly17-Gln208.

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 -20°C

Operational Notes

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

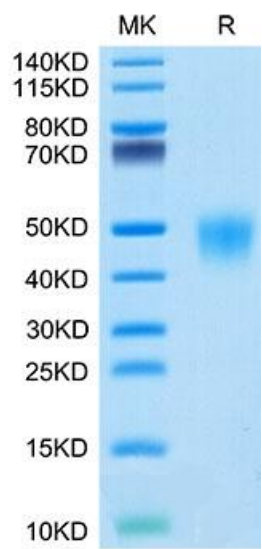
Contact

☎ | 400-999-6126

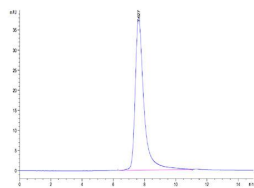
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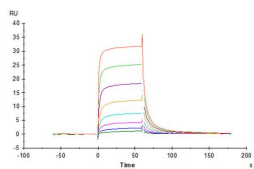
Validation Data



Recombinant Cynomolgus Fc gamma RIII/CD16 Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Cynomolgus Fc gamma RIII is greater than 95% as determined by SEC-HPLC.



Rituximab captured on CM5 Chip via Protein A can bind Cynomolgus Fc gamma RIII, His Tag with an affinity constant of 0.251 μ M as determined in SPR assay (Biacore T200).