

Recombinant Cynomolgus Fc gamma RIIA/CD32a Protein

Catalog No.: RP02641

Sequence Information

Species **Gene ID**
Cynomolgus 102143568

Swiss Prot **Tags**
Q8SPW4-1 C-His

Synonyms

CD32MGC23887; CDw32fc-gamma-RIIA; Fc gamma RIIA; FCG2; Fc-gamma-RIIA; FcGR; FCGR2; FCGR2A; FCGR2A1; FcgRIIA; FCRIIA; fcRII-a; IGFR2MGC30032; IgG Fc receptor II-a; FCG2; CD32A

Product Information

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

Calculated MW **Observed MW**
21.3 kDa 30-40 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

The Fc gamma Rs have been divided into three classes based on close relationships in their extracellular domains; these groups are designated Fc gamma RI (also known as CD64), Fc gamma RII (CD32), and Fc gamma RIII (CD16). Each group may be encoded by multiple genes and exist in different isoforms depending on species and cell type. The CD64 proteins are high affinity receptors (~10e-8-10e-9 M) capable of binding monomeric IgG, whereas the CD16 and CD32 proteins bind IgG with lower affinities (~10e-6-10e-7 M) only recognizing IgG aggregates surrounding multivalent antigens.

Basic Information

Description

Recombinant Cynomolgus Fc gamma RIIA/CD32a Protein is expressed from Expi293 with His tag at the C-terminal.; It contains Gln28-Pro208.

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.

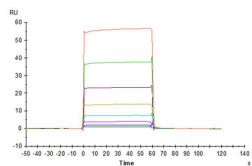
Contact

☎ | 400-999-6126

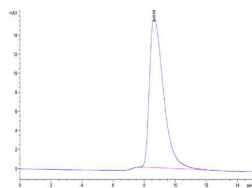
✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

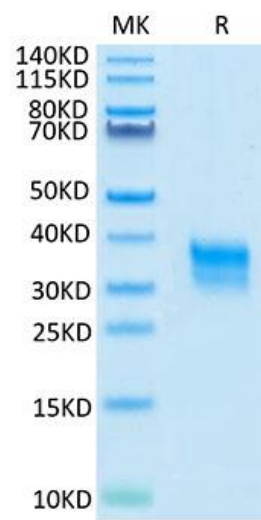
Validation Data



Rituximab captured on CM5 Chip via Protein A can bind Cynomolgus Fc gamma RIIA, His Tag with an affinity constant of 3.65 μ M as determined in SPR assay (Biacore T200).



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



Recombinant Cynomolgus Fc gamma RIIA/CD32a Protein was determined by Tris-Bis PAGE under reducing conditions.