Recombinant Human Fc gamma RIIB/FCGR2B /CD32b Protein

Catalog No.: RP00479

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Sequence Information

Species	Gene ID
Human	2213
Swiss Prot	**Tags**
P31994-1	C-His&Avi

Synonyms
Fc gamma RII; Fc gamma RIIB; CD32; CD32b; CDw32; FCG2; IGFR2; CD32A; FCG2 ; FcGR; FCGR2; FCGR21; FCGR2A

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE;≥ 95 % as determined by HPLC.
Calculated MW	**Observed MW**
22.5 kDa	32-37 kDa

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

Formulation
Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Reconstitution
Centrifuge the vial 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 stablizer (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.

Basic Information

Description
Recombinant Human Fc gamma RIIB/FCGR2B/CD32b Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ala46-Pro217) of Human Fc gamma RIIB/CD32b (Accession #P31994-1) 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 -20℃

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

Contact

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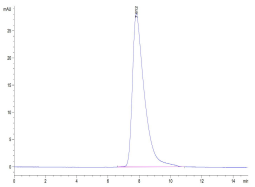
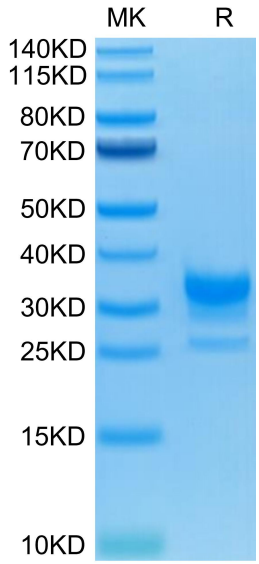
For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

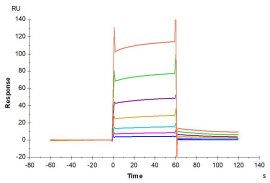
Validation Data



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



Recombinant Human Fc gamma RIIB/FCGR2B/CD32b Protein was determined by Tris-Bis PAGE under reducing conditions.



Rituximab captured on CM5 Chip via Protein A can bind Human Fc gamma RIIB, His Tag with an affinity constant of 3.46 μM as determined in SPR assay (Biacore T200).