Recombinant Human Fc gamma RIIB/FCGR2B /CD32b Protein

Catalog No.: RP00075

www.abclonal.com

Sequence Information

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

Synonyms
FCGR2B,CD32,CD32B,FCG2,FCGR2, IGFR2

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE;≥95 % as determined by HPLC.
Calculated MW	**Observed MW**
20.17 kDa	25-35 kDa

Endotoxin
< 0.1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.

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 protein is a low affinity receptor for the Fc region of immunoglobulin gamma complexes. The protein is involved in the phagocytosis of immune complexes and in the regulation of antibody production by B-cells.

Basic Information

Description
Recombinant Human Fc gamma RIIB/FCGR2B/CD32b Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Ala46-Pro217) of human Fc gamma RIIB/C (Accession #NP_003992.3) fused with a 6×His tag at the C-terminus.

Activity
1.Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human FCGR2B at 2 μg/mL (100 μL/well) can bind biotinylated Human IgG1 with a linear range of 0.0048-2.81 μg/mL.
2.Measured by its binding ability in a functional ELISA. Immobilized Human FCGR2B (Catalog:RP00075) at 2μg/mL (100 μL/well) can bind FCGR2B Rabbit pAb (Catalog: A12553) with a linear range of 0.3-77.48ng/mL.

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℃

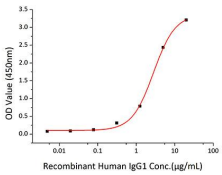
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

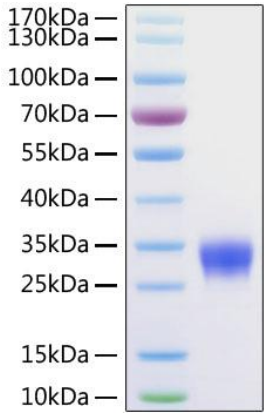
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Please visit http://abclonal.com for a complete listing of recommended products.

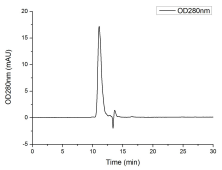
Validation Data



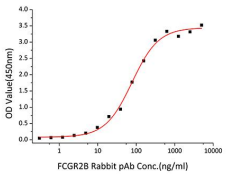
Immobilized Recombinant Human FCGR2B at 2μg/mL (100μL/well) can bind biotinylated Human IgG1 with a linear range of 0.0048-2.81μg/mL.



Recombinant Human Fc gamma RIIB/FCGR2B/CD32b Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



The purity of Human Fc gamma RIIB/C Protein (Cat.RP00075) was greater than 95% as determined by SEC-HPLC.



Immobilized Human FCGR2B (Catalog:RP00075) at 2μg/mL (100 μL/well) can bind FCGR2B Rabbit pAb (Catalog: A12553) with a linear range of 0.3-77.48ng/mL.