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Recombinant Human Glycophorin-A/GYPA/CD235a protein

Catalog No.: RP02835 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	2993	P02724-1

Tags
C-hFC

Synonyms
PAS-2; CD235a; GPA; GPErik; GpMiIII; GPSAT; GYPA; HGpMiIII; HGpMiV; HGpMiX; HGpMiXI; HGpSta(C); MNS; CD235a; MN

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE;≥ 95 % as determined by HPLC.

Calculated MW	Observed MW
33.90 kDa	45-65 kDa

Endotoxin
< 0.01 EU/μg of the protein by LAL method

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

Granulomatosis with polyangiitis (GPA) presents a wide spectrum of manifestations from the common respiratory symptoms to infrequent neurological and cardiac complications. The challenge in diagnosis and management makes the rapidly progressive disorder one of the most challenging dilemmas in clinical medicine.The ultimate goal is an improved prognosis through outcome measures which assesses the disease control with minimal adverse effects of intensive immunosuppressive regimens, an integral part of the clinical approach to improve the quality of life of GPA patients.

Basic Information

Description
Recombinant Human Glycophorin-A Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Leu20-Glu91) of human Glycophorin-A (Accession #NP_002090.4) fused with a hFc tag at the C-terminus.

Bio-Activity
Anti-GPA Antibody immobilized on CM5 Chip can bind Human GPA, hFc Tag with an affinity constant of 0.72 μM as determined in SPR assay (Biacore T200).

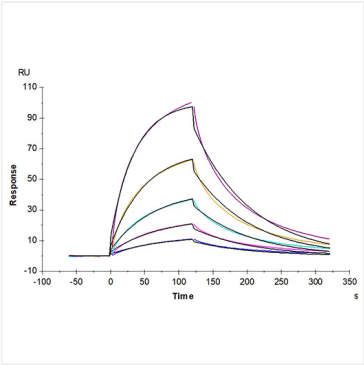
Shipping
The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.
Avoid repeated freeze/thaw cycles.

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

* 为了您的安全和健康，请穿实验服并戴一次性手套操作。

Validation Data



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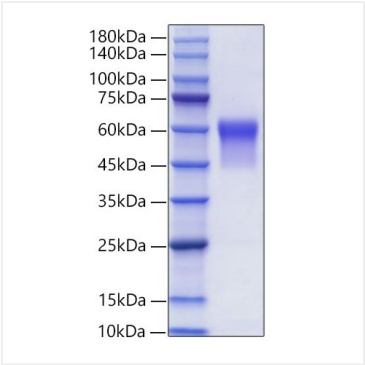
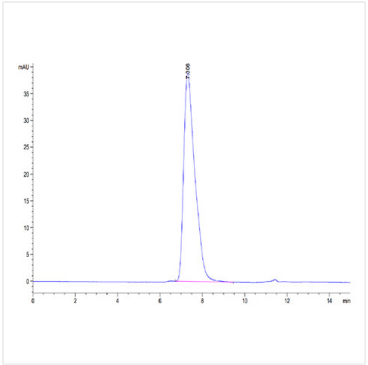


Recombinant Human Glycophorin-A/GYPA/CD235a protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



The purity of Human Glycophorin-A is greater than 95% as determined by SEC-HPLC.