Recombinant Human DAF/CD55 Protein

Catalog No.: RP00975

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Sequence Information

Species
Human

Gene ID
1604

Swiss Prot
P08174

Tags
C-His

Synonyms
CD55,CR,CROM,DAF,TC, CROM, DAF, TC

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
35.80 kDa

Observed MW
55-70 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

This protein is a glycoprotein involved in the regulation of the complement cascade. Binding of the encoded protein to complement proteins accelerates their decay, thereby disrupting the cascade and preventing damage to host cells. Antigens present on this protein constitute the Cromer blood group system (CROM).

Basic Information

Description
Recombinant Human CD55/DAF Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Asp35-Ser353) of human CD55/DAF (Accession #NP_000565.1) fused with a 6×His tag at the C-terminus.

Activity
1.Measured by its binding ability in a functional ELISA. Immobilized Human DAF/CD55 at 0.5 μg/mL (100 μL/well) can bind Human CD97 with a linear range of 0.3-23.8 ng/mL.
2.Measured by its binding ability in a functional ELISA. Immobilized APC anti-human CD55 Antibody at 1 μg/mL (25 μL/well) can bind Recombinant Human CD55 with a linear range of 0.5-3.2 ng/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℃

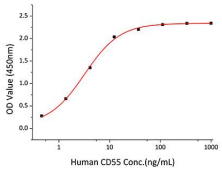
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

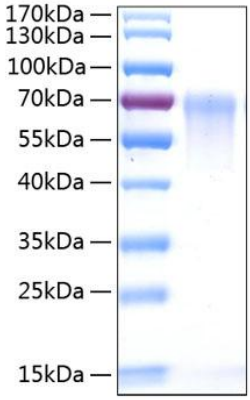
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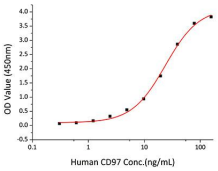
Validation Data



Immobilized APC anti-human CD55 Antibody at 1 μg/mL (25 μL/well) can bind Recombinant Human CD55 with a linear range of 0.5-3.2 ng/mL.



Recombinant Human DAF/CD55 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Immobilized Human DAF/CD55 at 0.5μg/mL (100 μL/well) can bind Human CD97 with a linear range of 0.3-23.8ng/mL.