Recombinant Human CD24 Protein

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Catalog No.: RP01229 Recombinant

Sequence Information

Species Gene ID Swiss Prot Human 100133941 P25063

Tags

C-hFc

Synonyms

CD24;CD24A;CD24 molecule;CD247

Product Information

Source

Purification

HEK293 cells

≥ 95 % as determined by SDS-PAGE;≥95 % as determined by HPLC.

Calculated MW Observed MW

31.85 kDa 40-50 kDa

Endotoxin

< 0.1 EU/ μ g 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.

Contact

6		400-999-6126
\times	cn.r	market@abclonal.com.cn

Background

Basic Information

Description

Recombinant Human CD24 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Met1-Gly59) of human CD24 (Accession #NP_037362) fused with a Fc tag at the C-terminus.

Bio-Activity

Measured by its binding ability in a functional ELISA.Immobilized Human CD24 at 2 $\mu g/mL$ (100 $\mu L/well)$ can bind Human Siglec10 with a linear range of 1-764 ng/mL.|2.Measured by its binding ability in a functional ELISA.Immobilized PE Mouse Anti-Human CD24 at 1 $\mu g/mL$ (25 $\mu L/well$) can bind Human CD24 with a linear range of 0.46-28.4ng/mL.

Shipping

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

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

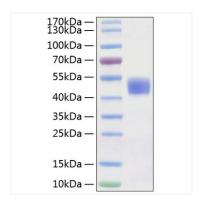
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

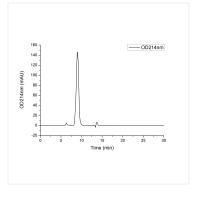
Operational Notes

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

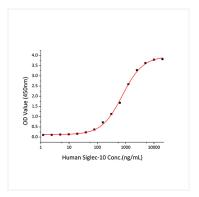
Validation Data



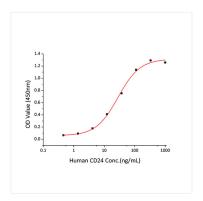
Recombinant Human CD24 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



The purity of human CD24 Protein (Cat.RP01229) was greater than 95% as determined by SEC-HPLC.



Immobilized Human CD24 at 2 μ g/mL (100 μ L/well) can bind Human Siglec10 with a linear range of 1-764 ng/mL.



Immobilized PE Mouse Anti-Human CD24 at 1 μ g/mL (25 μ L/well) can bind Human CD24 with a linear range of 0.46-28.4ng/mL.