

# Recombinant Human CD24 Protein

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 | > 97% by SDS-PAGE. |

| Calculated MW | Observed MW |
|---------------|-------------|
| 31.85 kDa     | 40-50 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 stabilizer (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

### 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.

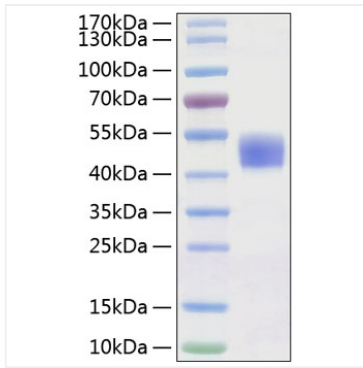
#### Bio-Activity

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

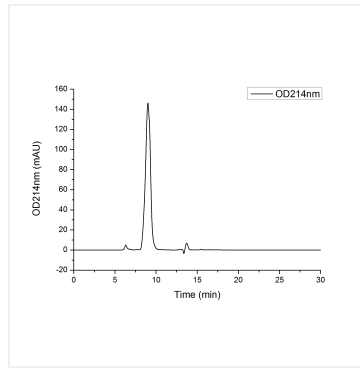
#### Storage

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.

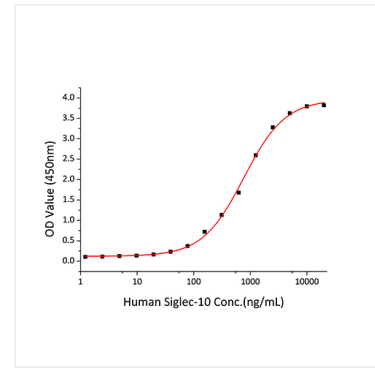
## Validation Data



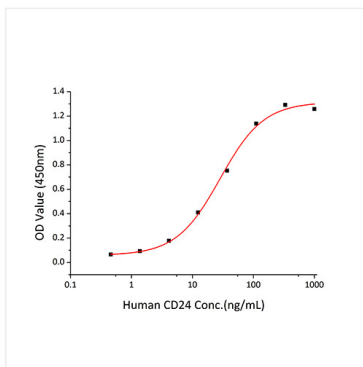
Active Recombinant Human CD24 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 40-50 kDa.



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



Immobilized Human CD24 at 2  $\mu\text{g/mL}$  (100  $\mu\text{L/well}$ ) can bind Human Siglec10 with a linear range of 1-764 ng/mL.



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