

Biotinylated Recombinant Human CD24 Protein (Primary Amine Labeling)

Catalog No.: RP00549B **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	100133941	P25063-1

Tags

C-hFc

Synonyms

CD 24; CD24 molecule; CD24A;
FLJ22950; FLJ43543; MGC75043

Product Information

Source

HEK293 cells

Purification

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

Calculated MW

29.9 kDa

Observed MW

50-55 kDa

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

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.

Background

CD24 is a sialoglycoprotein expressed at the surface of most B lymphocytes and differentiating neuroblasts. It is also expressed on neutrophils and neutrophil precursors from the myelocyte stage onwards. The potential for targeting CD24 in cancer therapy seems promising, as CD24 is overexpressed in many human cancers.

Basic Information

Description

Biotinylated Recombinant Human CD24 Protein (Primary Amine Labeling) is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ser27-Gly59) of Human CD24 (Primary Amine Labeling) (Accession #P25063-1) fused with a C-hFc tag at the C-terminus.

Bio-Activity

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.

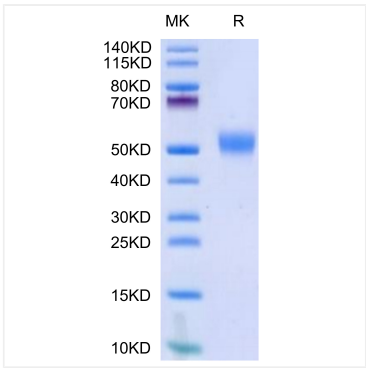
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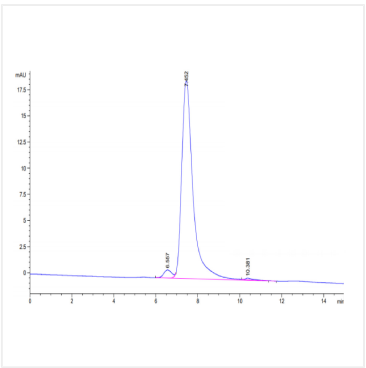
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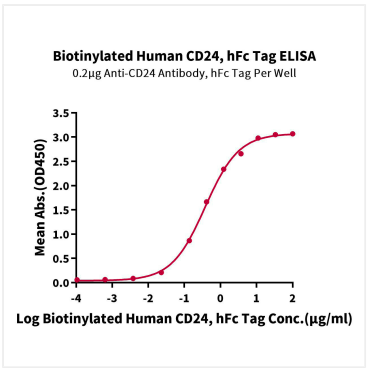
Validation Data



Biotinylated Recombinant Human CD24 Protein (Primary Amine Labeling) was determined by Tris-Bis PAGE under reducing conditions.



The purity of Biotinylated Human CD24 is greater than 95% as determined by SEC-HPLC.



Immobilized Anti-CD24 Antibody, hFc Tag at 2 μg/mL (100 μL/well) on the plate. Dose response curve for Biotinylated Human CD24, hFc Tag with the EC₅₀ of 0.38 μg/mL determined by ELISA.