Biotinylated Recombinant Human CD24 Protein (Primary Amine Labeling)

Catalog No.: RP00549B

Sequence Information

Species
Human

Gene ID
100133941

Swiss Prot
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 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

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.

Activity

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℃

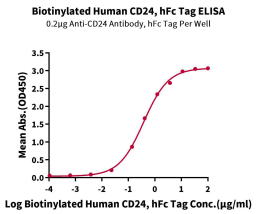
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

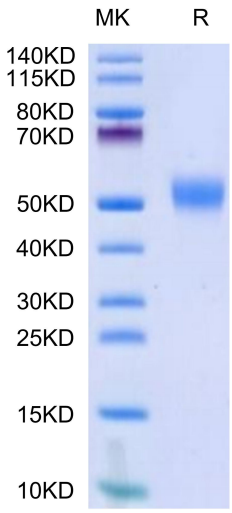
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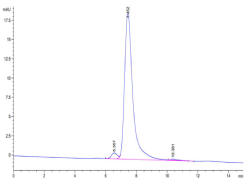
Validation Data



Immobilized 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 EC_{50} of 0.38 μg /mL determined by ELISA.



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.