

# Human CD24 Protein

Cat. No. CD2-HM324

## Description

<b>Source</b>	Recombinant Human CD24 Protein is expressed from Expi293 with mFc tag at the C-terminal. It contains Ser27-Gly59.
<b>Accession</b>	P25063-1
<b>Molecular Weight</b>	The protein has a predicted MW of 29.5 kDa. Due to glycosylation, the protein migrates to 48-60 kDa based on Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

## Formulation and Storage

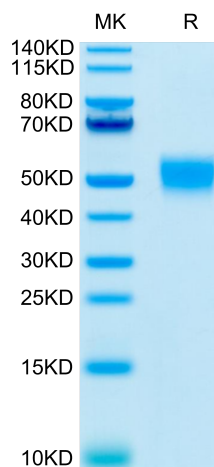
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/ml is recommended (usually we use 1mg/ml solution for lyophilization). Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please avoid freeze-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.

## Assay Data

### Tris-Bis PAGE



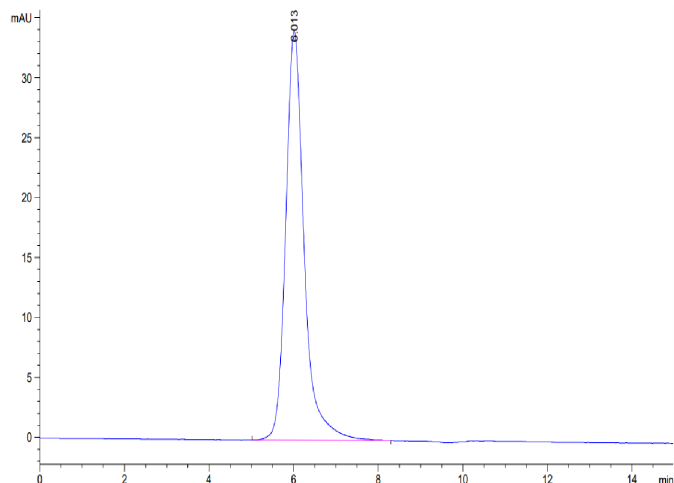
Human CD24 on Tris-Bis PAGE under reduced conditions. The purity is greater than 95%.

### SEC-HPLC

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## Assay Data

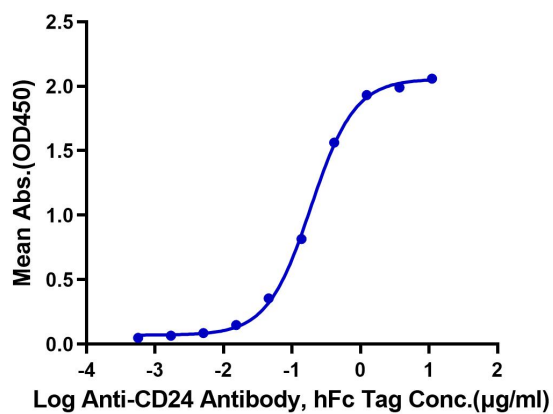


The purity of Human CD24 is greater than 95% as determined by SEC-HPLC.

## ELISA Data

### Human CD24, mFc Tag ELISA

0.05 $\mu$ g Human CD24, mFc Tag Per Well



Immobilized Human CD24, mFc Tag at 0.5 $\mu$ g/ml (100 $\mu$ l/well) on the plate. Dose response curve for Anti-CD24 Antibody, hFc Tag with the EC50 of 0.19 $\mu$ g/ml determined by ELISA.