

# Human CD24 Protein

Cat. No. CD2-HM124

## Description

<b>Source</b>	Recombinant Human CD24 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Ser27-Gly59.
<b>Accession</b>	P25063-1
<b>Molecular Weight</b>	The protein has a predicted MW of 6.5 kDa. Due to glycosylation, the protein migrates to 23-33 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

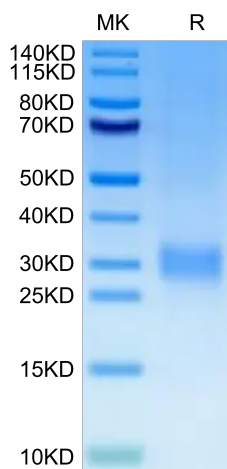
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein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

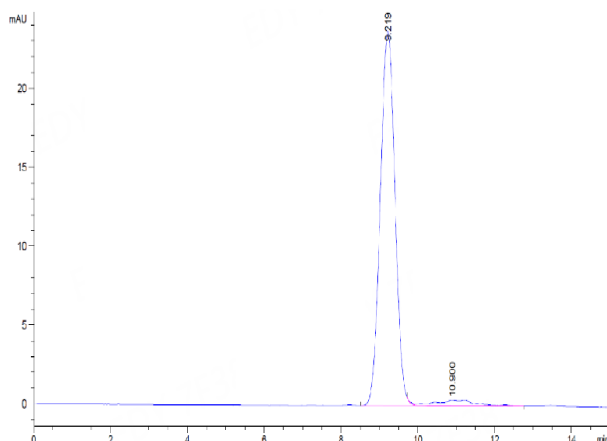
## Assay Data

### Tris-Bis PAGE



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

### SEC-HPLC



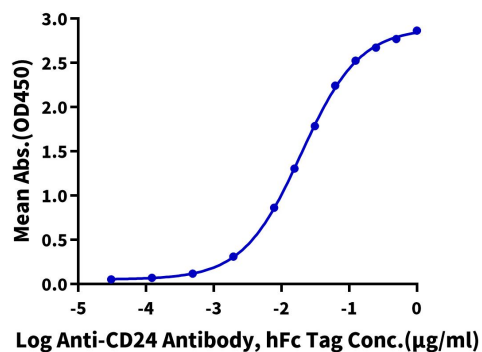
The purity of Human CD24 is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

**Human CD24, His Tag ELISA**

0.1µg Human CD24, His Tag Per Well



Immobilized Human CD24, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Anti-CD24 Antibody, hFc Tag with the EC50 of 19.6ng/ml determined by ELISA.