

# Biotinylated Human CD30/TNFRSF8 Protein, Ultra Low Endotoxin



Cat. No. CD3-HM430B-UL

## Description

<b>Source</b>	Recombinant Biotinylated Human CD30/TNFRSF8 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Phe19-Lys379.
<b>Accession</b>	P28908-1
<b>Molecular Weight</b>	The protein has a predicted MW of 41.3 kDa. Due to glycosylation, the protein migrates to 70-100 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 0.01 EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 90% as determined by HPLC

## Formulation and Storage

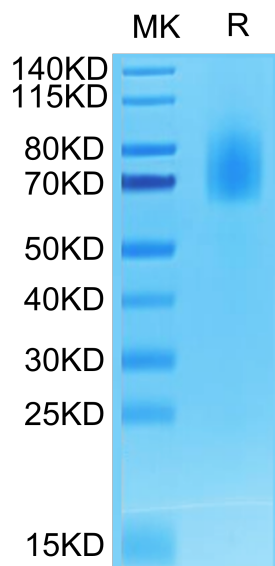
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
<b>Storage</b>	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

The transmembrane receptor CD30 (TNFRSF8) and its ligand CD30L (CD153, TNFSF8) are members of the tumor necrosis factor (TNF) superfamily and display restricted expression in subpopulations of activated T-and B-cells in nonpathologic conditions. CD30 expression is upregulated in various hematological malignancies, including Reed-Sternberg cells in Hodgkin's disease (HD), anaplastic large cell lymphoma (ALCL) and subsets of Non-Hodgkin's lymphomas (NHLs).

## Assay Data

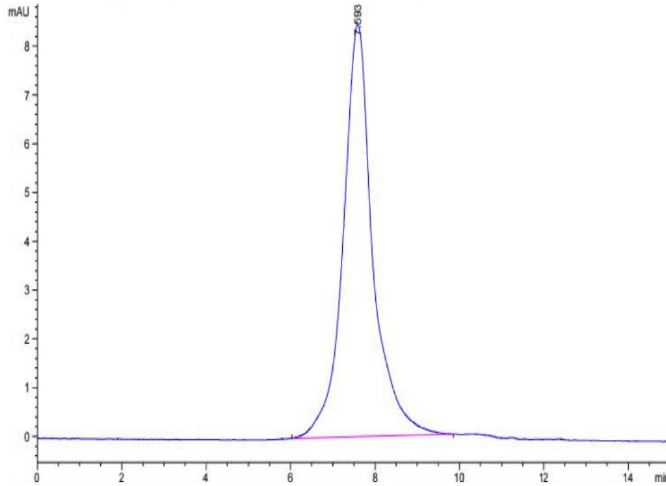
### Bis-Tris PAGE



Biotinylated CD30 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC

Assay Data

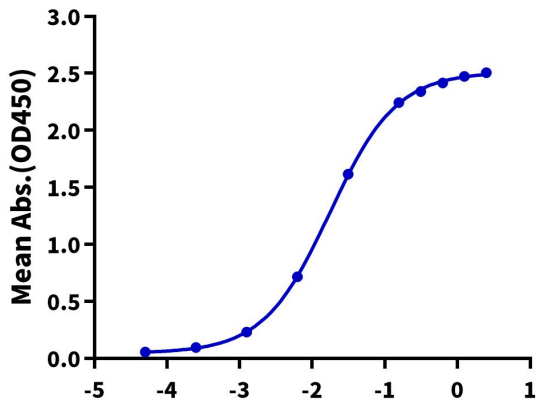


The purity of Biotinylated CD30 is greater than 90% as determined by SEC-HPLC.

ELISA Data

**Biotinylated Human CD30, His Tag ELISA**

0.5µg Human CD30 Ligand, His Tag Per Well

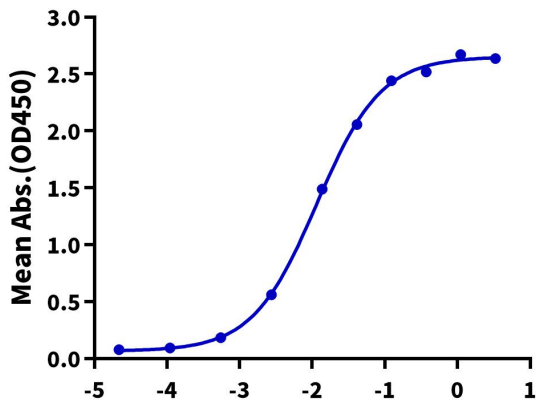


Immobilized Human CD30 Ligand, His Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human CD30, His Tag with the EC50 of 17.5ng/ml determined by ELISA (QC Test).

Log Biotinylated Human CD30, His Tag Conc.(µg/ml)

**Biotinylated Human CD30, His Tag ELISA**

0.05µg Anti-CD30 Antibody, hFc Tag Per Well



Immobilized Anti-CD30 Antibody, hFc Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human CD30, His Tag with the EC50 of 11.5ng/ml determined by ELISA.

Log Biotinylated Human CD30, His Tag Conc.(µg/ml)