

# Human CD30 Ligand/TNFSF8 Protein

Cat. No. CD3-HM10L

## Description

<b>Source</b>	Recombinant Human CD30 Ligand/TNFSF8 Protein is expressed from HEK293 with His tag at the N-Terminus. It contains Gln63-Asp234.
<b>Accession</b>	P32971
<b>Molecular Weight</b>	The protein has a predicted MW of 20.7 kDa. Due to glycosylation, the protein migrates to 30-50 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

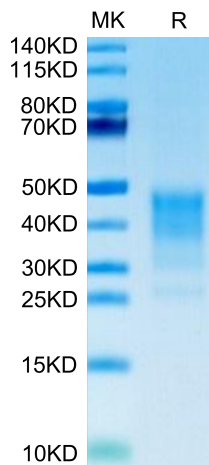
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein 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

CD30 ligand (CD30L)/TNFSF8 is a type II membrane protein belonging to the TNF superfamily. CD30L is expressed on the cell surface of activated T cells, B cells, and monocytes. The protein is also constitutively expressed on granulocytes and medullary thymic epithelial cells. CD30L is a cytokine that binds to TNFRSF8/CD30. Induces proliferation of T-cells.

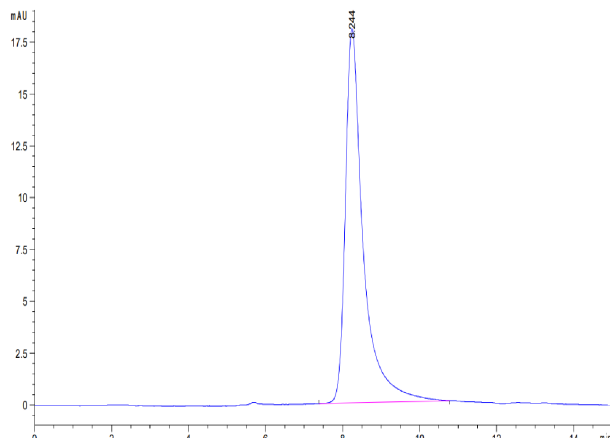
## Assay Data

### Tris-Bis PAGE



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

### SEC-HPLC



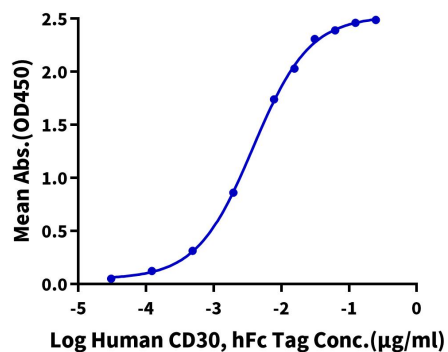
The purity of Human CD30 Ligand is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

**Human CD30 Ligand, 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 Human CD30, hFc Tag with the EC50 of 3.8ng/ml determined by ELISA.