

# 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 Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per $\mu\text{g}$ by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

## Formulation and Storage

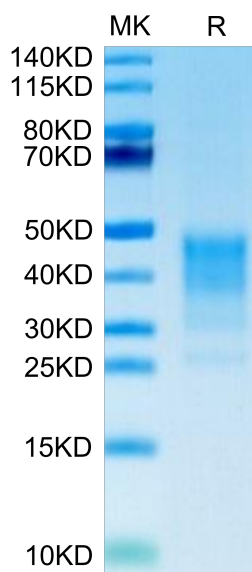
<b>Formulation</b>	Supplied as 0.22 $\mu\text{m}$ filtered solution in PBS (pH 7.4).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## 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

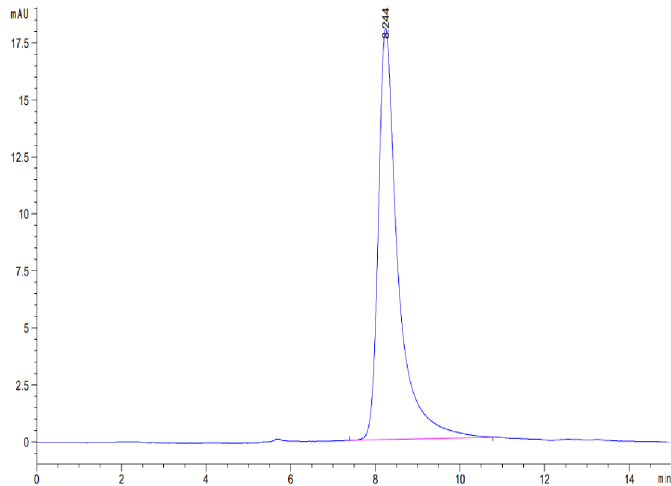
### Bis-Tris PAGE



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

### SEC-HPLC

Assay Data

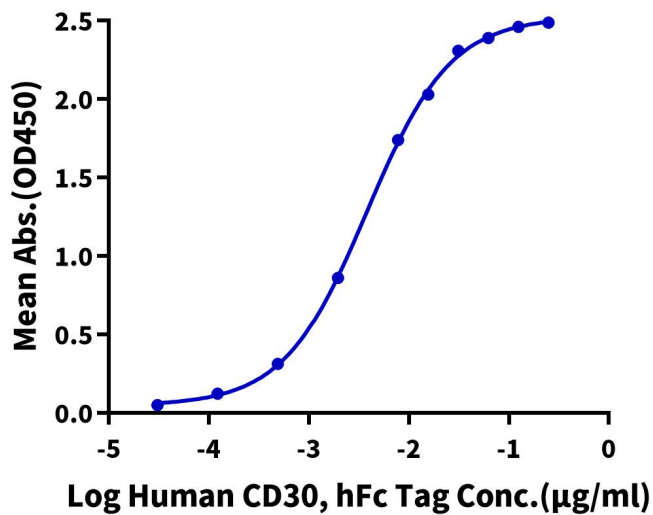


The purity of Human CD30 Ligand is greater than 95% as determined by SEC-HPLC.

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.