

Human CD30 Ligand/TNFSF8 Protein

Cat. No. CD3-HM30L

Description

Source	Recombinant Human CD30 Ligand/TNFSF8 Protein is expressed from HEK293 with mFc (IgG2a) tag at the N-Terminus. It contains Gln63-Asp234.
Accession	P32971-1
Molecular Weight	The protein has a predicted MW of 46.2 kDa. Due to glycosylation, the protein migrates to 62-68 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

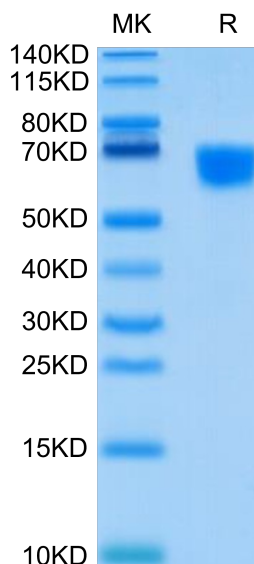
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$ is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-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

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

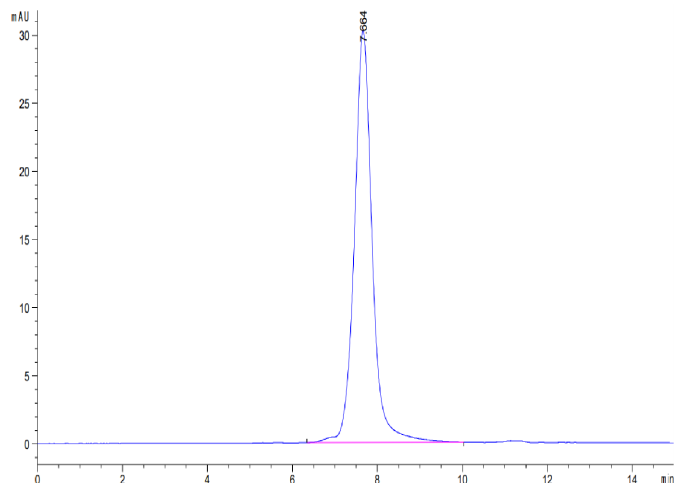
Bis-Tris PAGE



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

SEC-HPLC

Assay Data

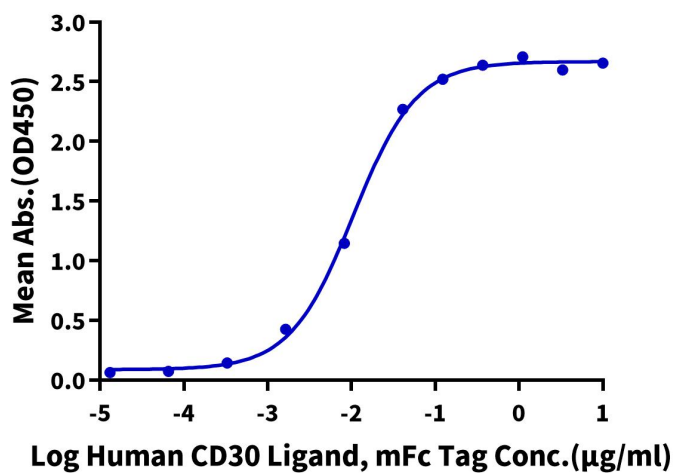


The purity of Human CD30 Ligand is greater than 95% as determined by SEC-HPLC.

ELISA Data

Human CD30 Ligand, mFc Tag ELISA

0.05µg Human CD30, His Tag Per Well



Immobilized Human CD30, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Human CD30 Ligand, mFc Tag with the EC50 of 10.5ng/ml determined by ELISA.