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 and Storage

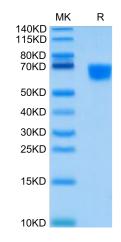
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt80°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.

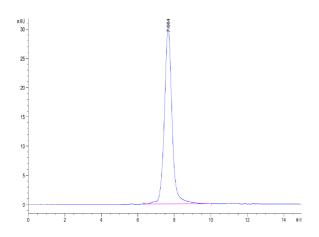
Assay Data

Bis-Tris PAGE



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

SEC-HPLC



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

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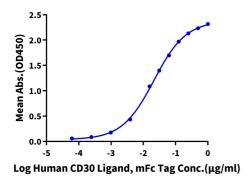
KAGTUS

Assay Data

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 21.4ng/ml determined by ELISA (QC Test).