Human CD30/TNFRSF8 Protein

Cat. No. CD3-HM430

Description

Source	Recombinant Human CD30/TNFRSF8 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.
	It contains Phe19-Lys379.
Accession	P28908-1
Molecular Weight	The protein has a predicted MW of 41.3 kDa. Due to glycosylation, the protein migrates to 68-95 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

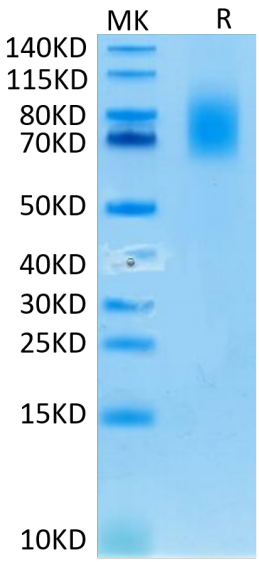
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 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

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



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

SEC-HPLC

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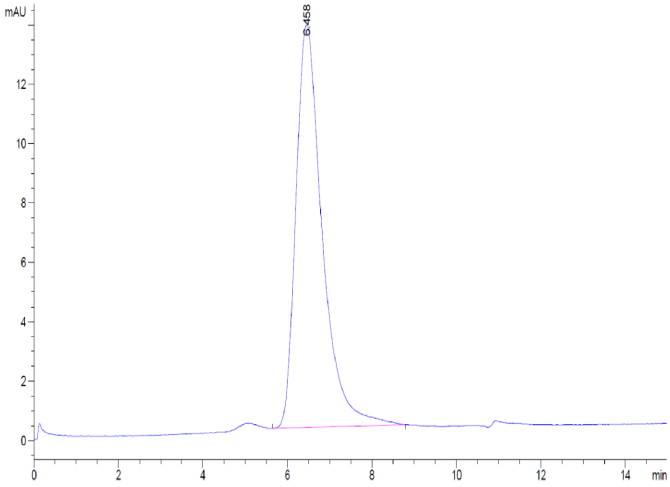
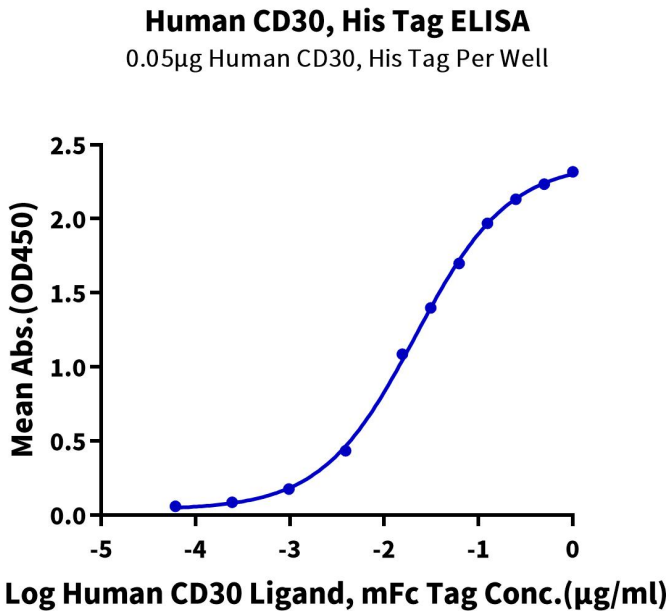
Assay Data



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

ELISA Data



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.