

Human CD30/TNFRSF8 Protein

Cat. No. CD3-HM230

Description

| | |
|-------------------------|---|
| Source | Recombinant Human CD30/TNFRSF8 Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Phe19-Lys379. |
| Accession | P28908-1 |
| Molecular Weight | The protein has a predicted MW of 65.2 kDa. Due to glycosylation, the protein migrates to 80-115 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

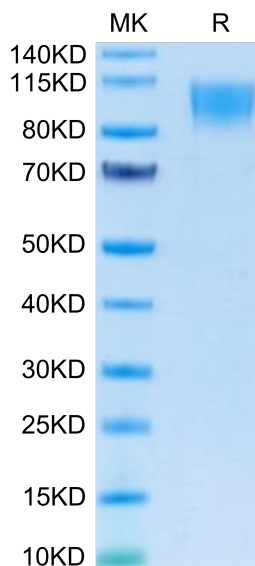
| | |
|-----------------------|---|
| Formulation | Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization. |
| Reconstitution | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$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

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

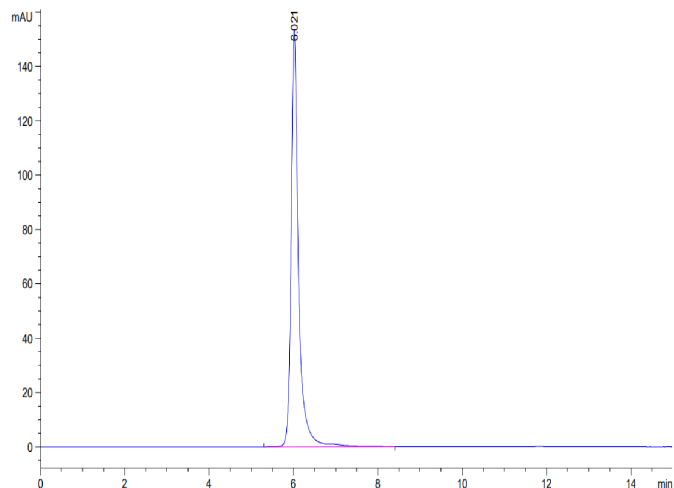
Bis-Tris PAGE



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

SEC-HPLC

Assay Data

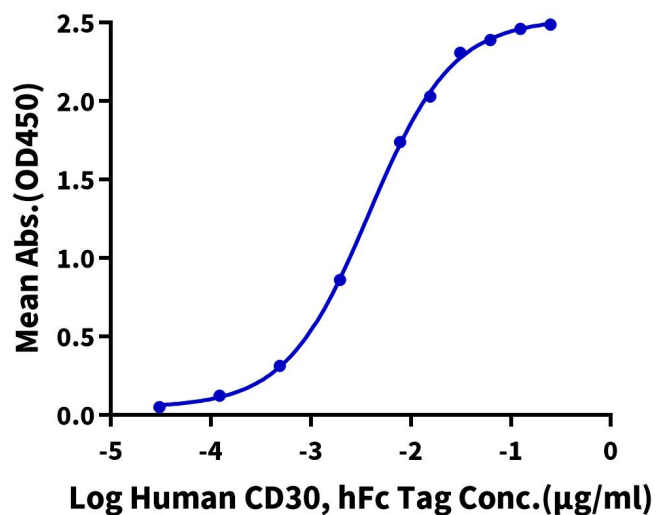


The purity of Human CD30 is greater than 95% as determined by SEC-HPLC.

ELISA Data

Human CD30, hFc 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.