

Human CD30/TNFRSF8 Protein, Ultra Low Endotoxin

Cat. No. CD3-HM230-UL

Description	
Source	Recombinant Human CD30/TNFRSF8 Protein is expressed from HEK293 with hFc (IgG1) 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 0.01 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

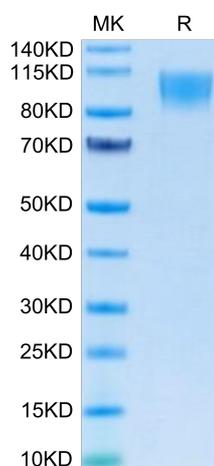
Formulation and Storage	
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.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

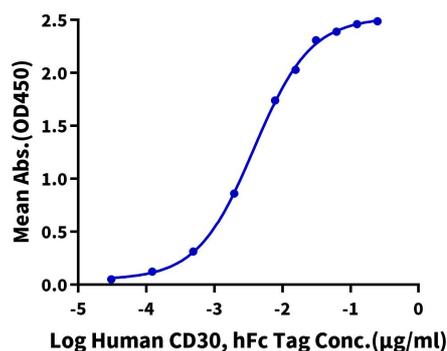


Human CD30 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

ELISA Data

Human CD30, hFc Tag ELISA

0.5µg Human CD30 Ligand, His Tag Per Well



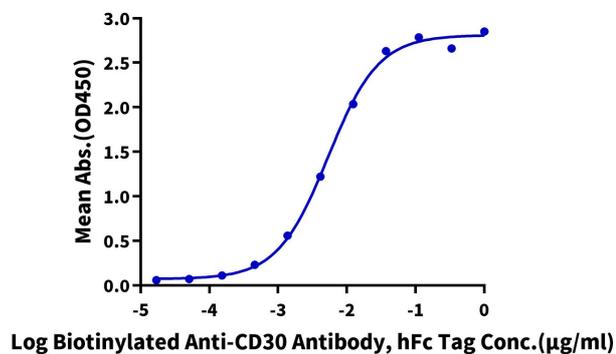
Immobilized Human CD30 Ligand, His Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Human CD30, hFc Tag with the EC50 of 3.8ng/ml determined by ELISA.

Assay Data

ELISA Data

Human CD30, hFc Tag ELISA

0.05µg Human CD30, hFc Tag Per Well



Immobilized Human CD30, hFc Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Anti-CD30 Antibody, hFc Tag with the EC50 of 5.3ng/ml determined by ELISA.