

Product datasheet for **TP723961**

CD153 (TNFSF8) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Human CD30 Ligand Protein, mFc-His Tag
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	mFc-Pro99-Lys330+CD30 Ligand-Gln63-Asp234+6×His
Tag:	N-Mouse Fc and C-6×His
Predicted MW:	48.0 kDa
Purity:	> 95%
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5% - 8% trehalose is added as protectants before lyophilization
Reconstitution Method:	Reconstitute with deionized water
Preparation:	Affinity purification
Applications:	ELISA
Storage:	Store the lyophilized protein at -20°C. After reconstitution, store the protein at -80°C for 12 months. Avoid repeated freezing and thawing.
Stability:	12 months from date of despatch
Locus ID:	944
UniProt ID:	P32971



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Summary:

The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This cytokine is a ligand for TNFRSF8/CD30, which is a cell surface antigen and a marker for Hodgkin lymphoma and related hematologic malignancies. The engagement of this cytokine expressed on B cell surface plays an inhibitory role in modulating Ig class switch. This cytokine was shown to enhance cell proliferation of some lymphoma cell lines, while to induce cell death and reduce cell proliferation of other lymphoma cell lines. The pleiotropic biologic activities of this cytokine on different CD30+ lymphoma cell lines may play a pathophysiologic role in Hodgkin's and some non-Hodgkin's lymphomas. Two transcript variants encoding different isoforms have been found for this gene.

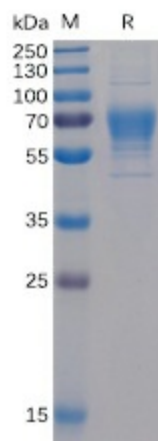
Product images:


Figure 1. Human CD30 Ligand Protein, mFc-His Tag on SDS-PAGE under reducing condition.

Human CD30 Ligand, mFc-His Tagged protein ELISA

0.2 µg of CD30, His Tagged protein per well

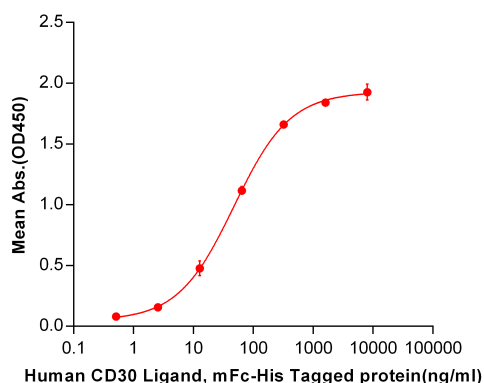


Figure 2. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human CD30, His tagged protein ([TP724016]) can bind Human CD30 Ligand, mFc-His tagged protein (TP723961) in a linear range of 2.56-320 ng/ml.