

Recombinant Human TNFSF8 protein, Mouse IgG2a Fc-tagged, low endotoxin

Cat. No. TNFSF8-333H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TNFSF8 protein (Gln63-Asp234)(low endotoxin), fused to Mouse IgG2a Fc tag at N-terminus, was expressed in human 293 cells (HEK293).
Species	Human
Source	HEK293
ProteinLength	172
Description	CD30 ligand (CD30L) and CD30 are interacting cell surface glycoproteins that are members of the tumour necrosis factor (TNF) and tumour necrosis factor receptor (TNFR) superfamilies. In humans, CD30L is expressed at high levels on activated T cells. There is conflicting evidence with regard to cell surface expression of CD30L on primary human B cells. An initial report of constitutive CD30L expression on peripheral blood B cells ³³ has not been substantiated.
Form	Lyophilized from 0.22 um filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5, 10% trehalose.
Molecular Mass	The protein has a calculated MW of 46.5 kDa. The protein migrates as 55-66 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 0.1 EU per ug by the LAL method.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

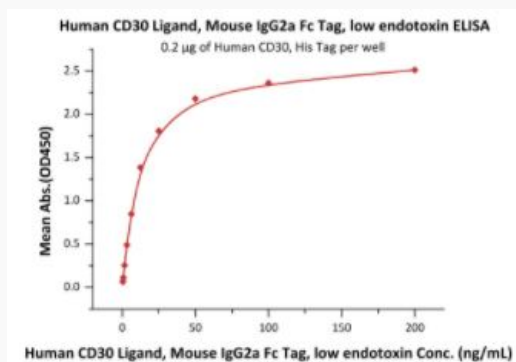
Purity	>95% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20 centigrade to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
GENE INFORMATION	
Gene Name	TNFSF8
Official Symbol	TNFSF8
Synonyms	TNFSF8; tumor necrosis factor (ligand) superfamily, member 8; CD30LG; tumor necrosis factor ligand superfamily member 8; CD153; CD30-L; CD30 ligand; CD153 antigen; CD30 antigen ligand; CD30L; MGC138144
Gene ID	944
mRNA Refseq	NM_001244
Protein Refseq	NP_001235
MIM	603875
UniProt ID	P32971

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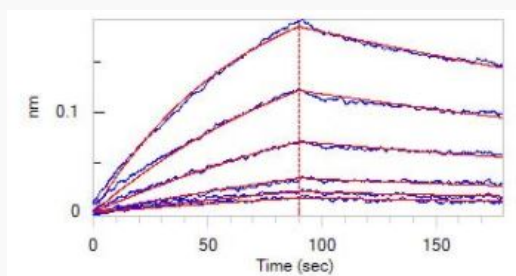
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Bioactivity-ELISA of TNFSF8-333H



Immobilized Human CD30, His Tag at 2 µg/mL (100 µL/well) can bind Human CD30 Ligand, Mouse IgG2a Fc Tag, low endotoxin with a linear range of 1-25 ng/mL (QC tested).

Bioactivity-BLI of TNFSF8-333H



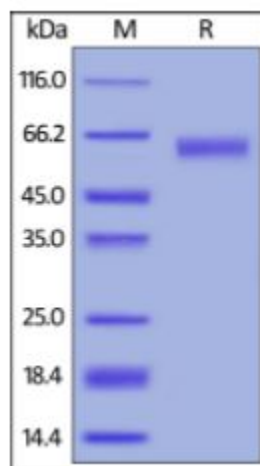
Loaded Biotinylated Human CD30, Avitag, His Tag on SA Biosensor, can bind Human CD30 Ligand, Mouse IgG2a Fc Tag, low endotoxin with an affinity constant of 114 nM as determined in BLI assay (Routinely tested).

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**SDS-PAGE of
TNFSF8-333H**



Human CD30 Ligand, Mouse IgG2a Fc Tag, low endotoxin on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

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