

CD30L Recombinant Protein | TNFSF8 recombinant protein

CD30L Protein, Human, Recombinant (hFc Tag)

CATALOG #
AAA257399

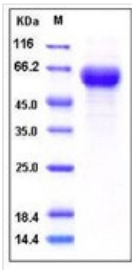
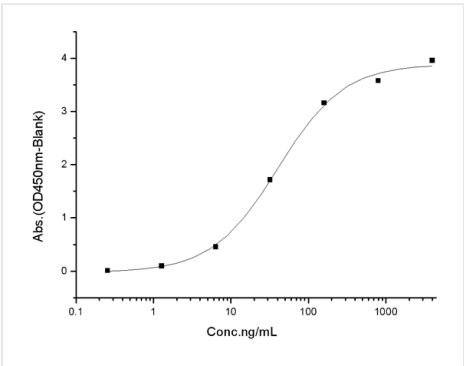
HOST
HEK293 Cells

PRODUCT SYNONYMS

CD30L; CD30L Protein; Human; Recombinant (hFc Tag); Human CD153/CD30L/TNFSF8 Protein (Fc Tag); tumor necrosis factor (ligand) superfamily; member 8; CD153 Protein; CD30LG Protein; TNFSF8 recombinant protein

PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Purity/Purification	>95 % as determined by SDS-PAGE
Form/Format	Lyophilized from sterile PBS, pH7.4 Normally 5%-8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Sequence Positions	429aa
Sequence	Gln63-Asp234
Species	Human
Tag	hFc
Endotoxin	<1.0EU per ug of the protein as determined by the LAL method
Predicted N Terminal	Arg23
Protein Construction	A DNA sequence encoding the extracellular domain (Gln 63-Asp 234) of human CD30 Ligand (NP_001235.1) was fused with the Fc region of human IgG1 at the N-terminus
Activity	Measured by its binding ability in a functional ELISA. Immobilized human CD30L-hFc at 2ug/ml (100ul/well) can bind human CD30/TNFRSF8-Fc. The EC50 of human CD30/TNFRSF8-Fc is 15-60ng/mL.
Preparation and Storage	Samples are stable for up to twelve months from date of receipt at -20 degree C to -80 degree C. Store it under sterile conditions at -20 degree C to -80 degree C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. Shipping: They are shipped out with blue ice pack



Application Data

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Measured by its binding ability in a functional ELISA. Immobilized human CD30L-hFc (Cat: 10040-H01H) at 2 ug/ml (100 ul/well) can bind human CD30/TNFRSF8-Fch (Cat: 10777-H03H), the EC50 of human CD30/TNFRSF8-Fch is 15-60 ng/mL.

ADDITIONAL INFORMATION

Related Product Information for TNFSF8 recombinant protein	CD30 ligand (CD30L), also known as CD153 and TNFSF8, is a membrane-associated glycoprotein belonging to the TNF superfamily and TNFR superfamily, and is a specific ligand for CD30/TNFRSF8 originally described as a cell surface antigen and a marker for Hodgkin lymphoma and related hematologic malignancies. CD30L is a type-II membrane glycoprotein expressed on activated T cells, stimulated monocyte-macrophages, granulocytes, eosinophils, and some Burkitt-like lymphoma cell lines. CD30L is capable of transducing signals through CD30 on different CD30+ lymphoma cell lines, and mediates pleiotropic biologic effects including cell proliferation, activation, differentiation, as well as cell death by apoptosis. CD30-CD30 ligand interaction has been suggested to have a pathophysiologic role in malignant lymphomas, particularly Hodgkin disease, large cell anaplastic lymphomas and Burkitt lymphomas, and is also involved in activation and functioning of the T cell-dependent immune response. Thus, CD153 and its receptor CD30 are regarded as therapeutic targets in hematologic malignancies, autoimmune and inflammatory diseases.
References	Hargreaves PG, et al. (2002) Soluble CD30 binds to CD153 with high affinity and blocks transmembrane signaling by CD30. Eur J Immunol. 32(1): 163-73. Blazar BR, et al. (2004) CD30/CD30 ligand (CD153) interaction regulates CD4+ T cell-mediated graft-versus-host disease. J Immunol. 173(5): 2933-41. Oflazoglu E, et al. (2009) Targeting CD30/CD30L in oncology and autoimmune and inflammatory diseases. Adv Exp Med Biol. 647: 174-85.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507607
NCBI GeneID	944
NCBI Accession #	NP_001235.1
NCBI GenBank Nucleotide #	NM_001244.3
UniProt Accession #	P32971; O43404
Molecular Weight	26,017 Da
NCBI Official Full Name	tumor necrosis factor ligand superfamily member 8 isoform 1
NCBI Official Synonym Full Names	tumor necrosis factor (ligand) superfamily, member 8
NCBI Official Symbol	TNFSF8
NCBI Official Synonym Symbols	CD153; CD30L; CD30LG
NCBI Protein Information	tumor necrosis factor ligand superfamily member 8; CD30-L; CD30 ligand; CD153 antigen; CD30 antigen ligand
UniProt Protein Name	Tumor necrosis factor ligand superfamily member 8
UniProt Gene Name	TNFSF8

UniProt Synonym Gene Names	CD30L; CD30LG; CD30-L
UniProt Entry Name	TNFL8_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/tnfsf8-recombinant-protein-hek293/257399>