Active Recombinant Full Length Human TNFSF8 Protein, His tagged

Cat. No. TNFSF8-30H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The recombinant human CD30 ECD is expressed as a 368 amino acid protein consisting of Phe19-Ser378 region of CD30 (UniProt accession #P28908) and a C-terminal His-tag. It contains 2 potential sites for N-linked glycosylation.
Species	Human
Source	Human cells
ProteinLength	19-378 aa
Description	CD30/TNFRSF8 is a single-pass type I transmembrane glycoprotein of the TNF receptor superfamily (TNFRSF). The ligand for CD30 is CD30L/CD153, a member of the TNF superfamily (TNFSF8). CD30L-CD30 ligation mediates pleiotropic effects, including cell proliferation, activation, differentiation and apoptosis. CD30 is expressed in activated, but not resting, T and B cells. CD30 can regulate proliferation of lymphocytes and may also play an important role in human immunodeficiency virus (HIV) replication. As a regulator of apoptosis, CD30 protein induces cell death or proliferation, depending on the cell type, and has been shown to limit the proliferative potential of autoreactive CD8 effector T cells and protect the body against autoimmunity. CD30 contributes to thymic negative selection by inducing the apoptotic cell death of CD4+CD8+ T cells. In B cells, CD30 ligation promotes cellular proliferation and antibody production. CD30 is overexpressed in various hematological malignancies, including Reed-Sternberg cells in Hodgkin's disease

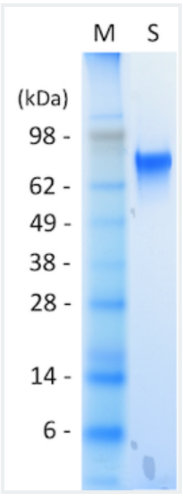
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	(HD), anaplastic large cell lymphoma (ALCL) and subsets of Non-Hodgkin's lymphomas (NHLs). CD30 is also found in leukocytes in patients with chronic inflammatory diseases, including lupus erythematosus, asthma, rheumatoid arthritis and atopic dermatitis.
Form	Supplied at 0.5 mg/mL in sterile PBS pH7.4 (carrier & preservative free).
Bio-activity	Binds to its ligand CD30L in a functional ELISA and anti-CD30 monoclonal antibodies with high affinity. Blocks CD30 Ligand-induced IL6 secretion by human Hodgkin's lymphoma cells.
Molecular Mass	39.4 kDa
AASequence	FPQDRPFEDTCHGNPSHYYDKAVRRCCYRCPMGLFPTQQCPQRPTDCRKQCEPD YYLDEADRCTACVTCSRDDLVEKTPCAWNSSRVCECRPGMFCSTSAVNSCARCFF HSVCPAGMIVKFPGTAQKNTVCEPASPGVSPACASPENCKEPSSGTIPQAKPTPVS PATSSASTMPVRGGTRLAQEAASKLTRAPDSPSSVGRPSSDPGLSPTQPCPEGSG DCRKQCEPDYYLDEAGRCTACVSCSRDDLVEKTPCAWNSSRTCECRPGMICATSA TNSCARCVPYPICAAETVTKPQDMAEKDTTFEAPPLGTQPDCNPTPENGEAPASTS PTQSLLVDSQASKTLPIPTSAPVALSSTGHHHHHHHH
Endotoxin	<0.1 EU/μg of purified recombinant protein determined by the LAL method
Purity	>90% judged by SDS-PAGE under reducing condition
Calculated PI	6.13

GENE INFORMATION

Gene Name	TNFSF8 tumor necrosis factor (ligand) superfamily, member 8 [Homo sapiens (human)]

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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	P28908
SDS-PAGE and WB	

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