

Recombinant Mouse Tnfsf8

Cat. No. Tnfsf8-1714M **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Mouse

Source Mammalian Cells

Description The CD30 ligand is a type II transmembrane glycoprotein of the tumor necrosis factor ligand superfamily. CD30L is expressed on the cell surface of activated T cells, B cells, and monocytes. Recombinant CD30L has been shown to co-stimulate T cells and to act as a mitogen for Hodgkin's disease derived cell lines. The receptor for CD30L, CD30/ TNFRSF8/CD153, is a type I cytokine receptor that is highly expressed by activated T cells, Hodgkin and Reed- Sternberg (H-RS) cells, and anaplastic large cell lymphoma cells. CD30 ligation by CD30L mediates pleiotropic effects including cell proliferation, activation, differentiation and cell death by apoptosis.

Molecular Weight The predicted molecular weight of Recombinant Mouse CD30L is Mr 22 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 30-45 kDa.

State Of Matter Lyophilized.

Purity >95% by SDS Page and analyzed by silver stain.

Endotoxin <0.1 ng per 1 g as determined by the LAL method.

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Storage And Stability

This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles. See Product Insert for exact lot specific storage instructions.

GENE INFORMATION

Gene Name	Tnfsf8 tumor necrosis factor (ligand) superfamily, member 8 [Mus musculus]
Synonyms	Tnfsf8; tumor necrosis factor (ligand) superfamily, member 8; CD153; Cd30l; CD30LG; OTTMUSP00000000340
Gene ID	21949
mRNA Refseq	NM_009403
Protein Refseq	NP_033429
UniProt ID	P32972
Chromosome Location	4 C1; 4 32.2 cM
Pathway	Cytokine-cytokine receptor interaction
Function	cytokine activity; tumor necrosis factor receptor binding

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