

## Recombinant Mouse Tnfsf8

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

### SPECIFICATION

<b>Species</b>	Mouse
<b>Source</b>	Mammalian Cells
<b>Description</b>	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.
<b>Molecular Weight</b>	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.
<b>State Of Matter</b>	Lyophilized.
<b>Purity</b>	>95% by SDS Page and analyzed by silver stain.
<b>Endotoxin</b>	<0.1 ng per 1 g as determined by the LAL method.
<b>Storage And Stability</b>	This lyophilized protein is stable for six to twelve months when stored desiccated at -

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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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