

Recombinant Mouse Tnfrsf8

Cat. No. Tnfrsf8-1713M **Lot. No.** (See product label)

SPECIFICATION

Species	Mouse
Source	Mammalian Cells
Description	<p>CD30/TNFRSF8, a type I transmembrane glycoprotein belonging to the TNF receptor superfamily and tumor marker. This receptor is expressed by activated, but not by resting, T and B cells. TRAF2 and TRAF5 can interact with this receptor, and mediate the signal transduction that leads to the activation of NF-kappaB. It is a positive regulator of apoptosis, and also has been shown to limit the proliferative potential of autoreactive CD8 effector T cells and protect the body against autoimmunity. Two alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported. CD30 is associated with anaplastic large cell lymphoma. It is expressed in embryonal carcinoma but not in seminoma and is thus is a useful marker in distinguishing between these germ cell tumors.</p>
Molecular Weight	The predicted molecular weight of Recombinant Mouse CD30 is Mr 55 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 90-100 kDa.
State Of Matter	Lyophilized.
Purity	>95% by SDS Page and analyzed by silver stain.
Endotoxin	<1.0 EU/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	Tnfrsf8 tumor necrosis factor receptor superfamily, member 8 [<i>Mus musculus</i>]
Synonyms	Tnfrsf8; tumor necrosis factor receptor superfamily, member 8; Ki; Cd30; Ki-1; D1S166E; RP23-306F22.1; OTTMUSP00000010648; CD30
Gene ID	21941
mRNA Refseq	NM_009401
Protein Refseq	NP_033427
UniProt ID	Q60846
Chromosome Location	4 E1; 4 75.5 cM
Pathway	Cytokine-cytokine receptor interaction
Function	receptor activity; transmembrane receptor activity

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