

Recombinant Mouse Tnfsf14

Cat. No. Tnfsf14-948M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant mouse LIGHT produced in <i>E. Coli</i> is a 20.1 kDa protein containing 183 amino acid residues.
Species	Mouse
Source	E.coli
Description	LIGHT belongs to the TNF family of ligands, and can signal through the herpes virus entry mediator type A receptor (HVEM, TNFRSF14), LT-beta-R, or bind to a decoy receptor, DcR3. It is expressed in splenocytes, activated PBL, CD+8 tumor infiltrating lymphocytes, granulocytes, and monocytes. LIGHT has the ability to active NFkB, to co-stimulate the activation of lymphocytes and to induce apoptosis in certain human tumor cells.
Purity	> 98% by SDS-PAGE and HPLC analysis.
Endotoxin Level	< 0.1 ng per µg of LIGHT.
Stabilizer	None.
Formulation	Lyophilized.
Biological Activity	Testing in Progress!
Reconstitution	Reconstitute in water to a concentration of 0.1-1.0 mg/ml. This solution can be diluted

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into other aqueous buffers and stored at 4°C for 1 week or -20°C for future use.

Stability

The lyophilized protein is stable for a least 2 years from date of receipt at -20°C. Reconstituted LIGHT is stable for at least 3 months when stored in working aliquots with carrier protein at -20°C. Avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name

Tnfsf14 tumor necrosis factor (ligand) superfamily, member 14 [*Mus musculus*]

Synonyms

tumor necrosis factor (ligand) superfamily, member 14; LTg; HVEM-L; LIGHT; Ly113; HVEM-L; Tnfsf14; tumor necrosis factor ligand superfamily, member 14

Gene ID

50930

mRNA Refseq

NM_019418

Protein Refseq

NP_062291

UniProt ID

Q9QYH9

Chromosome Location

17 D-E1

Pathway

Cytokine-cytokine receptor interaction

Function

tumor necrosis factor receptor binding; cytokine activity

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