

Active Recombinant Mouse LIGHT Protein, His-Tagged

Cat. No. LIGHT-01M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse LIGHT Protein, His-tagged was expressed in E. coli cell
Species	Mouse
Source	E.coli
Description	LIGHT is a member of the TNF family of ligands, and can conduct signaling through the herpes virus entry mediator type A receptor (HVEM, TNFRSF14), LTβR, or binding to a decoy receptor, DcR3. LIGHT generally expresses in splenocytes, activated PBL, CD8+ tumor infiltrating lymphocytes, granulocytes, and monocytes. LIGHT can also activate NF-κB, to co-stimulate the activation of lymphocytes and induce apoptosis in certain human tumor cells.
Form	Lyophilized powder
AA Sequence	MRLHQRLGDIVAHLPDGGKGSWEKLIQDQRSHQANPAAHLTGANASLIGIGGPLLW ETRLGLAFLRGLTYHDGALVTMEPGYYYVYSKVQL SGVGCPQGLANGLPITHGLYKRTSRYPKELLELSRRSPCGRANSSRVWWDSSFL GGVHLEAGEEVVRVPGNRLVRPRDGTRSYFGAFM V with polyhistidine tag at the C-terminus
Endotoxin	<0.1 EU per 1 µg of the protein by the LAL method.
Bio-activity	Measure by its ability to induce cytotoxicity in HT-29 cells. The ED50 for this effect is <2

 Tel: 1-631-559-9269 1-516-512-3133

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	µg/mL.
Purity	>98% as determined by SDS-PAGE. Ni-NTA chromatography
Storage Buffer	The protein was lyophilized from a solution containing 1X PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Notes	Please use within one month after protein reconstitution.

GENE INFORMATION

Gene Name	Tnfsf14 tumor necrosis factor (ligand) superfamily, member 14 [Mus musculus (house mouse)]
Official Symbol	LIGHT
Synonyms	LTg; HVEM-L; Tnfsf14; Ly113; HVEM-L; Tnlg1d
Gene ID	50930
mRNA Refseq	NM_019418.3
Protein Refseq	NP_062291.1
UniProt ID	Q059Y9

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