PRODUCT INFORMATION

Target	LIGHT
Synonyms	LTg; HVEML; TNFSF14; Ly113; HVEM-L; Tnlg1d
Description	Recombinant mouse LIGHT protein with N-terminal human Fc tag
Delivery	In Stock
Uniprot ID	Q9QYH9
Expression Host	HEK293
Tag	N-Human Fc tag
Molecular Characterization	hFc(Glu99-Ala330) Mouse LIGHT(Asp72-Val239)
Molecular Weight	The protein has a predicted molecular mass of 44.5 kDa after removal of the signal peptide.
Purity	The purity of the protein is greater than 90% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	Predicted to enable cysteine-type endopeptidase inhibitor activity involved in apoptotic process; cytokine activity; and identical protein binding activity. Acts upstream of or within several processes, including T cell costimulation; positive regulation of T cell chemotaxis; and positive regulation of myoblast fusion. Predicted to be located in plasma membrane. Predicted to be active in extracellular space. Used to study IgA glomerulonephritis. Orthologous to human TNFSF14 (TNF superfamily member 14). [provided by Alliance of Genome Resources, Nov 2024]
Usage	Research use only
Conjugate	Unconjugated

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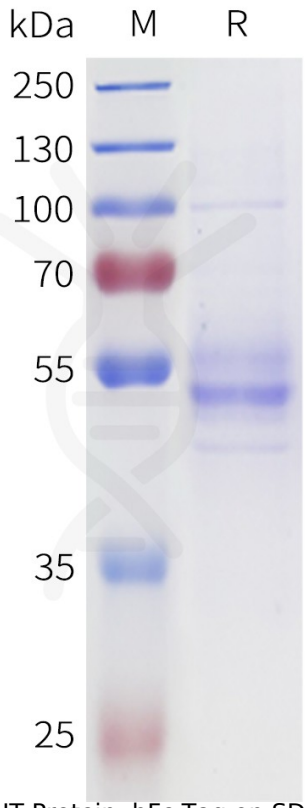


Figure 1. Mouse LIGHT Protein, hFc Tag on SDS-PAGE under reducing condition.

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