

Human LIGHT/TNFSF14 Protein

HA210217



Product name:	Human LIGHT/TNFSF14 Protein
Species reactivity:	Human
Protein construction description:	Recombinant Human LIGHT/TNFSF14 Protein is expressed from HEK293 with His tag at the N-Terminus. It contains Asp74-Val240.
Background:	LIGHT, also known as tumor necrosis factor superfamily member 14 (TNFSF14), is a secreted protein of the TNF superfamily. It is recognized by herpesvirus entry mediator (HVEM), as well as decoy receptor 3. This protein has been shown to stimulate the proliferation of T cells, and trigger apoptosis of various tumor cells.
Purity:	> 95% as determined by Tris-Bis PAGE
Endotoxin:	Less than 1EU per µg by the LAL method.
Source:	HEK293
Accession:	O43557-1
Predicted molecular mass:	The protein has a predicted MW of 19 kDa. Due to glycosylation, the protein migrates to 25-30 kDa based on Tris-Bis PAGE result.
Formulation:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage:	-20 to -80°C for 24 months as supplied from date of receipt. -80°C for 3-6 months after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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Applications: WB=Western blot IHC-P=Immunohistochemistry (paraffin) IF-Cell=Immunofluorescence (Cell) IF-Tissue=Immunofluorescence (Tissue) FC=Flow cytometry IP=Immunoprecipitation

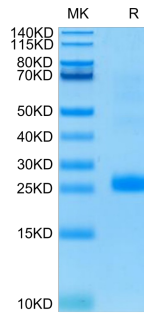


Fig1: Human LIGHT on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

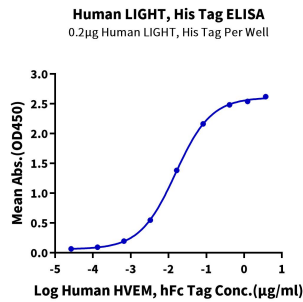


Fig2: Immobilized Human LIGHT, His Tag at 2 μ g/ml (100 μ l/Well) on the plate. Dose response curve for Human HVEM, hFc Tag with the EC₅₀ of 15.3ng/ml determined by ELISA (QC Test).

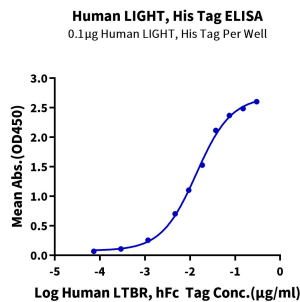


Fig3: Immobilized Human LIGHT, His Tag at 1 μ g/ml (100 μ l/Well) on the plate. Dose response curve for Human LTBR, hFc Tag with the EC₅₀ 13.8ng/ml determined by ELISA.

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".