

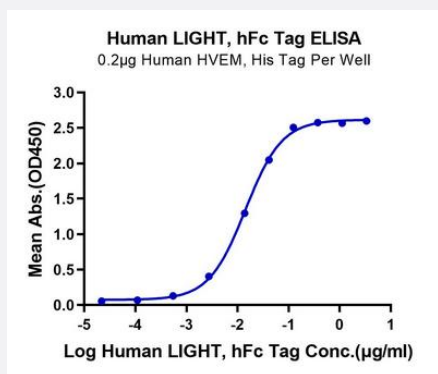
HuPro®

TNFSF14 (Human) Recombinant Protein

Catalog # P9777

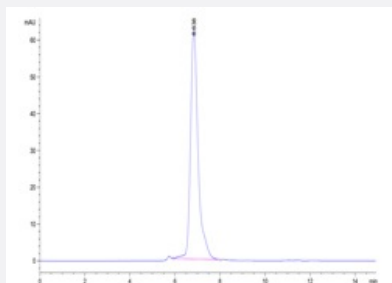
Size 100 ug

Applications



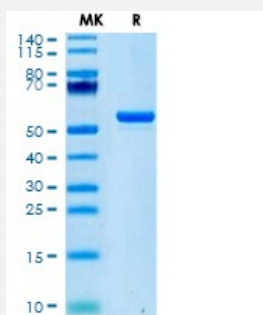
Enzyme-linked Immunoabsorbent Assay

Immobilized Human HVEM, His Tag at 1 ug/mL (100 uL/Well) on the plate. Dose response curve for Human LIGHT, hFc Tag with the EC50 of 14.2 ng/mL determined by ELISA.



SEC-HPLC

The purity of Human LIGHT is greater than 95% as determined by SEC-HPLC.



Tris-Bis PAGE

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

Specification

Product Description	Human TNFSF14 (O43557-1, Asp74-Val240) partial recombinant protein with hFc tag at N-Terminus expressed in HEK293 cells.
Sequence	Asp74-Val240
Host	Human
Theoretical MW (kDa)	45.5
Form	Lyophilized
Preparation Method	Mammalian cell (HEK293) expression system
Quality Control Testing	SEC-HPLC and Tris-Bis PAGE SEC-HPLC The purity of Human LIGHT is greater than 95% as determined by SEC-HPLC. Tris-Bis PAGE Human LIGHT on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.
Recommend Usage	Biological Activity ELISA SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from sterile distilled Water is > 100 ug/mL
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of bioactivity analysis

Applications

- Enzyme-linked Immunoabsorbent Assay

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- Functional Study

- SDS-PAGE

Gene Info — TNFSF14

Entrez GeneID [8740](#)

Protein Accession#	O43557-1
Gene Name	TNFSF14
Gene Alias	CD258, HVEM, LIGHT, LTg, TR2
Gene Description	tumor necrosis factor (ligand) superfamily, member 14
Omim ID	604520
Gene Ontology	Hyperlink
Gene Summary	<p>The protein encoded by this gene is a member of the tumor necrosis factor (TNF) ligand family. This protein is a ligand for TNFRSF14, which is a member of the tumor necrosis factor receptor superfamily, and which is also known as a herpesvirus entry mediator (HVEM). This protein may function as a costimulatory factor for the activation of lymphoid cells and as a deterrent to infection by herpesvirus. This protein has been shown to stimulate the proliferation of T cells, and trigger apoptosis of various tumor cells. This protein is also reported to prevent tumor necrosis factor alpha mediated apoptosis in primary hepatocyte. Two alternatively spliced transcript variant encoding distinct isoforms have been reported. [provided by RefSeq]</p>
Other Designations	delta transmembrane LIGHT herpesvirus entry mediator A ligand for herpesvirus entry mediator tumor necrosis factor ligand superfamily, member 14 tumor necrosis factor receptor-like 2 tumor necrosis factor superfamily member LIGHT

Pathway

- [Cytokine-cytokine receptor interaction](#)

Disease

- [Dementia](#)
- [Genetic Diseases](#)
- [Genetic Predisposition to Disease](#)
- [Hematologic Diseases](#)
- [Hodgkin Disease](#)
- [Hyperparathyroidism](#)
- [Inflammation](#)
- [Lymphoproliferative Disorders](#)

- [Multiple Myeloma](#)
- [Narcolepsy](#)
- [Occupational Diseases](#)
- [Stroke](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)