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Datasheet for ABIN7275149

## TNFSF14 Protein (AA 74-240) (Fc Tag)

### 3 Images

#### Overview

Quantity:	100 µg
Target:	TNFSF14
Protein Characteristics:	AA 74-240
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TNFSF14 protein is labelled with Fc Tag.

#### Product Details

Purpose:	Human LIGHT/TNFSF14 Protein
Sequence:	Asp74-Val240
Characteristics:	Recombinant Human LIGHT/TNFSF14 Protein is expressed from HEK293 with hFc tag at the N-Terminus.It contains Asp74-Val240.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human HVEM, His Tag at 1µg/ml (100µl/Well) on the plate. Dose response curve for Human LIGHT, hFc Tag with the EC50 of 14.2ng/ml determined by ELISA. See testing image for detail.

## Target Details

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Target:	TNFSF14
Alternative Name:	LIGHT ( <a href="#">TNFSF14 Products</a> )
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.
Molecular Weight:	45.5 kDa. Due to glycosylation, the protein migrates to 53-60 kDa based on Tris-Bis PAGE result.
Pathways:	<a href="#">Cancer Immune Checkpoints</a>

## Application Details

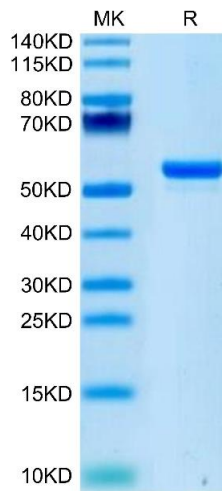
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Restrictions:	For Research Use only
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## Handling

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Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 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.
Expiry Date:	12 months

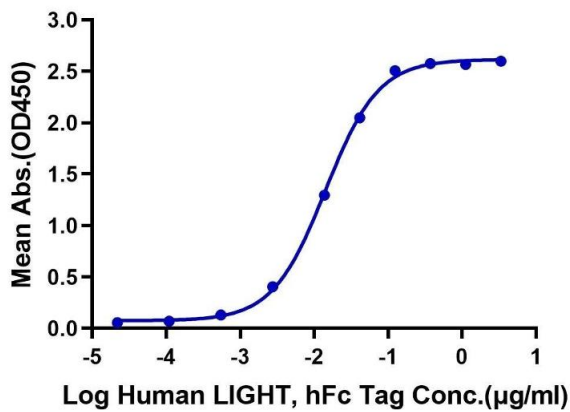


### SDS-PAGE

**Image 1.** Human LIGHT on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

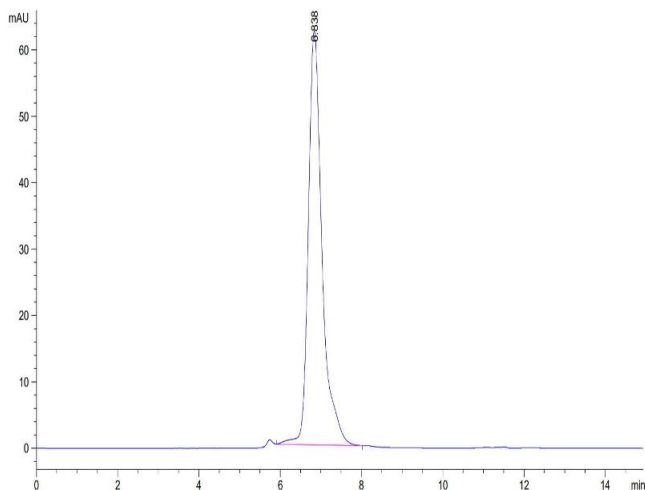
### Human LIGHT, hFc Tag ELISA

0.2µg Human HVEM, His Tag Per Well



### ELISA

**Image 2.** Immobilized Human HVEM, His Tag at 1 µg/mL (100 µL/Well) on the plate. Dose response curve for Human LIGHT, hFc Tag with the EC50 of 14.2 ng/mL determined by ELISA.



### Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 3.** The purity of Human LIGHT is greater than 95 % as determined by SEC-HPLC.