

Datasheet for ABIN7274832

HVEM Protein (AA 39-202) (Fc Tag)

5 Images

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Overview

Quantity:	100 µg
Target:	HVEM (TNFRSF14)
Protein Characteristics:	AA 39-202
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HVEM protein is labelled with Fc Tag.

Product Details

Purpose:	Human HVEM/TNFRSF14 Protein
Sequence:	Leu39-Val202
Characteristics:	Recombinant Human HVEM/TNFRSF14 Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Leu39-Val202.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human LIGHT Trimer, His tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Human HVEM, hFc Tag with the EC50 of 0.12µg/ml determined by ELISA. The affinity constant of 1.2µM as determined in SPR assay (Biacore T200). See testing image for detail.

Target Details

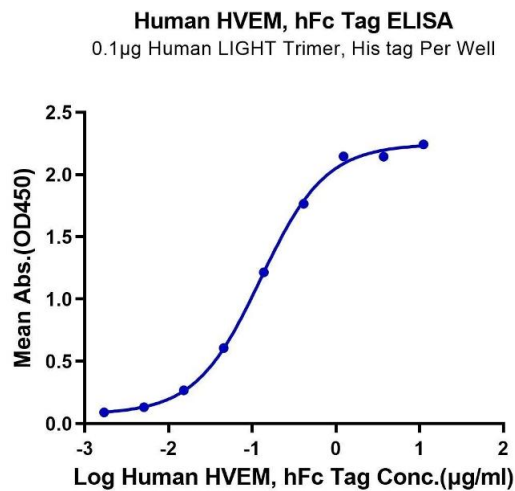
Target:	HVEM (TNFRSF14)
Alternative Name:	HVEM (TNFRSF14 Products)
Target Type:	Viral Protein
Background:	Herpesvirus entry mediator (HVEM), also known as tumor necrosis factor receptor superfamily member 14 (TNFRSF14), is a human cell surface receptor of the TNF-receptor superfamily. Two TNF superfamily ligands lymphotoxin α (TNF- β) and LIGHT (TNFSF14) are identified as cellular ligands for HVEM and initiate the positive signaling.
Molecular Weight:	44.3 kDa. Due to glycosylation, the protein migrates to 60-70 kDa based on Tris-Bis PAGE result.
Pathways:	Production of Molecular Mediator of Immune Response , Cancer Immune Checkpoints

Application Details

Restrictions:	For Research Use only
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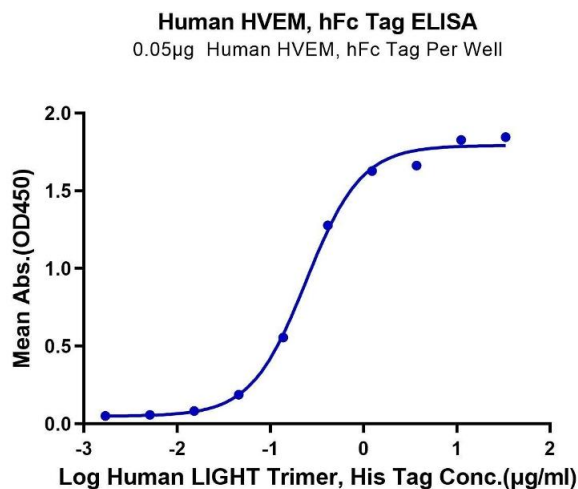
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g/mL}$ is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22 μm 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



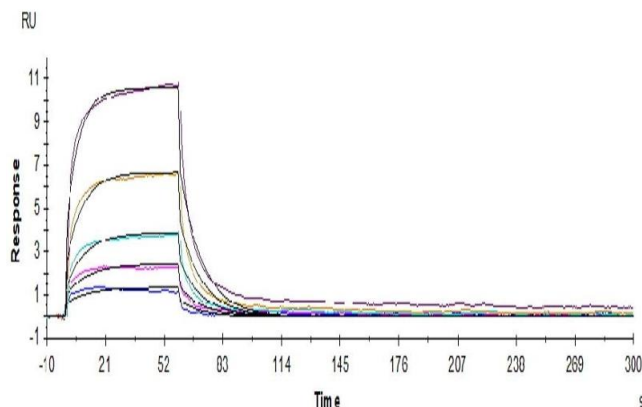
ELISA

Image 1. Immobilized Human LIGHT Trimer, His tag at 1 µg/mL (100 µL/well) on the plate. Dose response curve for Human HVEM, hFc Tag with the EC₅₀ of 0.12 µg/mL determined by ELISA.



ELISA

Image 2. Immobilized Human HVEM, hFc Tag at 0.5 µg/mL (100 µL/Well). Dose response curve for Human LIGHT Trimer, His Tag with the EC₅₀ of 0.24 µg/mL determined by ELISA.



Surface Plasmon Resonance

Image 3. Human HVEM, hFc Tag captured on Protein A chip, can bind Human CD160, His Tag with an affinity constant of 1.2µM as determined in a SPR assay (Biacore T200).

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7274832.