

Datasheet for ABIN6253723  
**HVEM Protein (AA 39-202) (Fc Tag)**

## 3 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
Biological Activity:	Active
Purification tag / Conjugate:	This HVEM protein is labelled with Fc Tag.

## Product Details

Sequence:	AA 39-202
Characteristics:	This protein carries a human IgG1 Fc tag at the C-terminus. The protein has a calculated MW of 45.4 kDa. The protein migrates as 50-60 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Purity:	>95 % as determined by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

## Target Details

Target:	HVEM (TNFRSF14)
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## Target Details

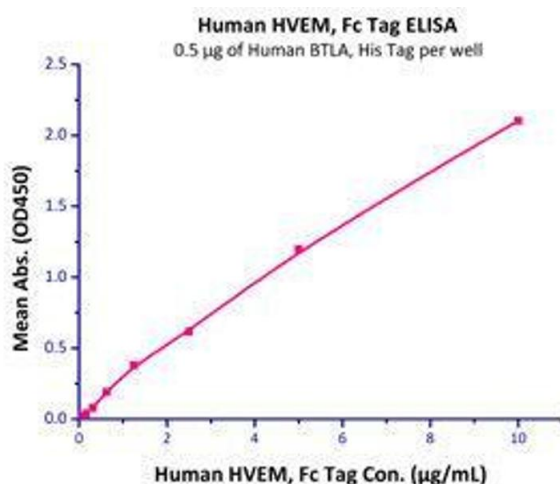
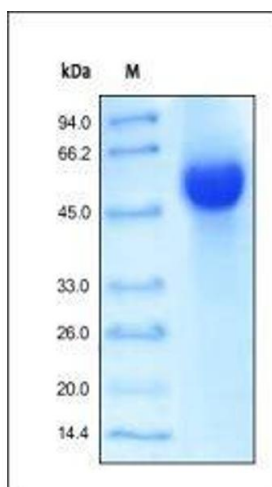
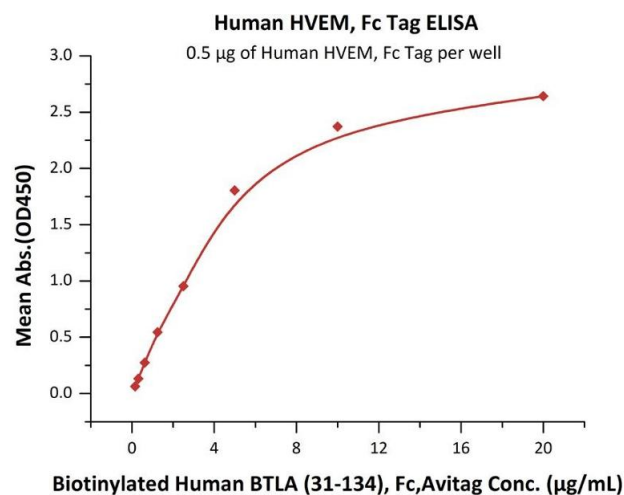
Alternative Name:	HVEM ( <a href="#">TNFRSF14 Products</a> )
Target Type:	Viral Protein
Background:	<p>Herpesvirus entry mediator (HVEM) is also known as TNFRSF14, TR2 (TNF receptorlike molecule) and ATAR (another TRAF associated receptor), is a type I membrane protein belonging to the TNF/NGF receptor superfamily. HVEM expression has been detected in peripheral blood T cells, B cells, monocytes and in various tissues enriched in lymphoid cells. The extracellular domain of HVEM has been shown to interact directly with the herpes simplex virus envelope glycoprotein D (gD). Two TNF superfamily ligands, including the secreted TNF<math>\beta</math> (lymphotoxin <math>\alpha</math>) and the membrane protein LIGHT (lymphotoxins, exhibits inducible expression, and competes with HSV glycoprotein D for HVEM, a receptor expressed by T lymphocytes), have been shown to be the cellular ligands for HVEM. Besides HVEM, LIGHT can also interact with LT<math>\beta</math>R, the receptor for lymphotoxin <math>\alpha\beta</math> heterotrimer. The role of the HVEM LIGHT /LT<math>\beta</math> receptor ligand pair in immune function and herpesvirus pathobiology remains to be elucidated.</p>
Molecular Weight:	43.5 kDa
NCBI Accession:	<a href="#">NP_003811</a>
Pathways:	<a href="#">Production of Molecular Mediator of Immune Response</a> , <a href="#">Cancer Immune Checkpoints</a>

## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
Buffer:	Tris with Glycine, Arginine and NaCl, pH 7.5
Handling Advice:	Please avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	No activity loss was observed after storage at: In lyophilized state for 1 year (4 °C-8 °C), After reconstitution under sterile conditions for 1 month (4 °C-8 °C) or 3 months (-20 °C to -70 °C).



## ELISA

**Image 1.** Immobilized Human HVEM, Fc Tag (ABIN2181235,ABIN6253723) at 5 µg/mL (100 µL/well) can bind Biotinylated Human BTLA (31-134), Fc,Avitag (ABIN4949009,ABIN4949010) with a linear range of 0.156-5 µg/mL (Routinely tested).

## SDS-PAGE

**Image 2.** Human HVEM, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

## Binding Studies

**Image 3.** Immobilized Human BTLA, His Tag (Cat # BTA-H52E0) at 5 µg/mL (100 µL/well) can bind Human HVEM, Fc Tag (Cat # HVM-H5258) with a linear range of 0.08-10 µg/mL.