

Datasheet for ABIN2017964

HVEM Protein (AA 39-184, AA 102-300) (Fc Tag)[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	HVEM (TNFRSF14)
Protein Characteristics:	AA 39-184, AA 102-300
Origin:	Human
Source:	Insect cells (Sf9)
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This HVEM protein is labelled with Fc Tag.

Product Details

Characteristics:	ED50 < 0.1 µg/mL, measured by the neutralization assay using 929 cells in presence of 0.25 ng/mL of human TNF-beta, corresponding to a specific activity of > 1x10 ⁴ units/mg. AA 39-184, fused with a C-terminal human Fc region AA 102-300
Purity:	> 95 % by SDS-PAGE and HPLC analyses.
Endotoxin Level:	< 0.2 EU/µg, determined by LAL method.

Target Details

Target:	HVEM (TNFRSF14)
Alternative Name:	HVEM (TNFRSF14 Products)
Target Type:	Viral Protein

Target Details

Background:	<p>Herpes Virus Entry Mediator (HVEM) is a transmembrane protein that is the receptor for TNFSF14 (also known as LIGHT) and is therefore referred to as TNFRSF14. HVEM is expressed broadly on immune cells such as T cells, natural killer (NK) cells and monocytes. The interaction of 3 Molecules of LIGHT with three molecules of HVEM forms a hexameric complex that leads to the recruitment and retention of effector cells and activates NK cells to produce large amounts of IFN-gamma and GM-CSF. In addition to the canonical binding partner LIGHT, HVEM can also bind to the inhibitory signaling protein, B- and T- lymphocyte attenuator (BTLA), which suppresses immune responses. Therefore, the HVEM network plays an important role in regulating immunity and the behavior of lymphocytes. Recombinant human HVEM-Fc (rhHVEM-Fc) produced in Sf9 insect cells is a single glycosylated polypeptide chain containing 376 amino acids. A fully biologically active molecule, rhHVEM-Fc has a molecular mass of around 45 kDa analyzed by reducing SDS-PAGE.</p> <p>Synonyms: TNFRSF14, TR2</p>
Molecular Weight:	45 kDa, observed by reducing SDS-PAGE.
UniProt:	Q92956 , P01857
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:	Reconstituted in ddH2O
Buffer:	Lyophilized after extensive dialysis against PBS.
Storage:	-20 °C