Datasheet for ABIN7320995

HVEM Protein (His tag)

1 Image

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Overview

Quantity:	50 µg
Target:	HVEM (TNFRSF14)
Origin:	Rhesus Monkey
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HVEM protein is labelled with His tag.

Product Details

Purpose:	Recombinant Rhesus macaque HVEM/TNFRSF14/CD270 Protein (His Tag)
Sequence:	Leu39-Val203
Characteristics:	Recombinant Rhesus macaque HVEM is produced by our Mammalian expression system and the target gene encoding Leu39-Val203 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	HVEM (TNFRSF14)
Alternative Name:	HVEM/TNFRSF14/CD270 (TNFRSF14 Products)
Background:	Background: Herpesvirus entry mediator (HVEM) is a type I membrane protein in the TNF receptor superfamily, and it can both promote and inhibit T cell activity. HVEM is highly expressed on na?ve CD4+ T cells, CD8+ T memory cells, regulatory T cells, dendritic cells,

Target Details

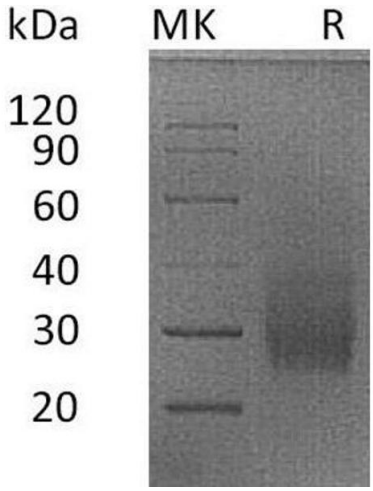
	monocytes, and neutrophils. It functions as a receptor for BTLA, CD160, LIGHT/TNFSF14, and Lymphotoxin-alpha. Ligation of HVEM by LIGHT triggers T cell, monocyte, and neutrophil activation and contributes to Th1 inflammation and cardiac allograft rejection. In contrast, HVEM binding to CD160 or BTLA suppresses T cell and dendritic cell activation and dampens intestinal inflammation. HVEM enhances the development of CD8+ T cell memory and Treg function. It is additionally expressed on intestinal epithelial cells, where its binding by intraepithelial lymphocyte (IEL) expressed CD160 promotes epitheilal integrity and host defense. The herpesvirus envelope glycoprotein gD, which binds HVEM to initiate membrane fusion, can antagonize both BTLA and LIGHT binding. Synonym: Tumor Necrosis Factor Receptor Superfamily Member 14, Herpes Virus Entry Mediator A, Herpesvirus Entry Mediator A, HveA, Tumor Necrosis Factor Receptor-Like 2, TR2, CD270, TNFRSF14, HVEA, HVEM
Molecular Weight:	18.3 kDa
UniProt:	F7GSW4
Pathways:	Production of Molecular Mediator of Immune Response, Cancer Immune Checkpoints

Application Details

Comment:	25-40 kDa
Restrictions:	For Research Use only

Handling

Format:	Frozen, Liquid
Buffer:	Supplied as a 0.2 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C
Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.



Western Blotting

Image 1.