

For Research Use Only

Recombinant Human HVEM/TNFRSF14 protein (Myc Tag, His Tag)



Catalog Number: Eg0015

Basic Information

Species:

Human

Purity:

>95 %, SDS-PAGE

Tag:

Myc Tag, His Tag

EC50:

0.1-0.4 ng/mL

Technical Specifications

Purity:

>95 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ μ g protein, LAL method

Source:

HEK293-derived Human HVEM protein Leu39 -Val202 (Accession# Q92956-1) with a Myc tag and a His tag at the C-terminus.

GeneID:

8764

Accession:

Q92956-1

Predicted Molecular Mass:

22.3 kDa

SDS-PAGE:

28-38 kDa, reducing (R) conditions

Formulation:

Lyophilized from 0.22 μ m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Immobilized Human HVEM (Myc tag, His tag) at 2 μ g/mL (100 μ L/well) can bind Human LIGHT (His tag) with a linear range of 0.1-0.4 ng/mL.

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

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. The cytoplasmic region of this receptor was found to bind to several TNF receptor associated factor (TRAF) family members, which may mediate the signal transduction pathways that activate the immune response. The encoded protein functions in signal transduction pathways that activate inflammatory and inhibitory T-cell immune response. It binds herpes simplex virus (HSV) viral envelope glycoprotein D (gD), mediating its entry into cells.

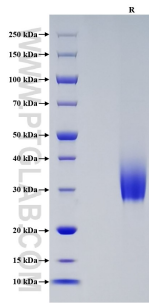
References

1. Montgomery RL, et al. (1996) Cell. 1;87(3):427-36.
2. Kwon BS, et al. (1997) J Biol Chem. 30;272(22):14272-6.
3. Ware, et al. (2008). "Chapter 25: TNF-Related Cytokines in Immunity". In Paul, William (ed.). Fundamental Immunology. Elsevier.

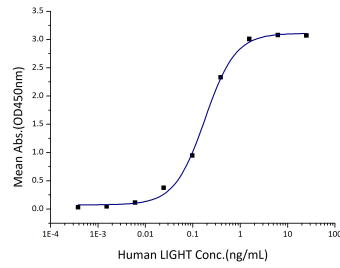
Synonyms

TNFRSF14, ATAR, CD270, Herpes virus entry mediator A, Herpesvirus entry mediator A

Selected Validation Data



Purity of Recombinant Human HVEM was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.



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For technical support and original validation data for this product please contact

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