

Human CellExp HVEM/TNFRSF14, human recombinant protein
TNFRSF14, ATAR, HVEA, HVEM, LIGHTR, TR2, Tumor necrosis factor receptor
superfamily member 14, Herpe
Catalog # PBV11087r

Specification

Human CellExp HVEM/TNFRSF14, human recombinant protein - Product info

Primary Accession
Calculated MW

[O92956](#)

This protein is a disulfide-linked homodimeric protein after removal of the signal peptide. The reduced monomer consists of 413 amino. rhHVEM-Fc, fused with the Fc region of human IgG1 at the C-terminus and has a calculated MW of 45.4 kDa expressed. Protein migrates as 50-60 kDa in reduced SDS-PAGE resulting from glycosylation. KDa

Human CellExp HVEM/TNFRSF14, human recombinant protein - Additional Info

Gene ID
Gene Symbol
Other Names

8764
TNFRSF14

TNFRSF14, ATAR, HVEA, HVEM, LIGHTR, TR2, Tumor necrosis factor receptor superfamily member 14, Herpesvirus entry mediator.

Gene Source
Source
Assay&Purity
Assay2&Purity2
Recombinant
Results

Human
HEK293 cells
SDS-PAGE; ≥95%
N/A;
Yes
Measured by its ability to inhibit
TNF-beta-mediated cytotoxicity using L929
Mouse fibrosarcoma cells. The ED50 for
this effect is typically 2.5-10 µg/ml in the
presence of 1 ng/ml of recombinant human
TNF-beta.

Target/Specificity
HVEM/TNFRSF14

Application Notes

Centrifuge the vial prior to opening. Reconstitute in sterile PBS, pH 7.4 to a concentration of 50 µg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 month. For extended storage, it is recommended to store at -20°C.

Format
Lyophilized

Storage
-20°C; Lyophilized from 0.22 µm filtered solution in 50 mM tris, 100 mM glycine, pH 7.0. Normally

Mannitol or Trehalose is added as protectants before lyophilization.

Human CellExp HVEM/TNFRSF14, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Human CellExp HVEM/TNFRSF14, human recombinant protein - Images

Human CellExp HVEM/TNFRSF14, human recombinant protein - Background

Herpesvirus entry mediator (HVEM), also known as TNFRSF14, TR2 (TNF receptor like 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 β (lymphotoxin α) 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 β R, the receptor for lymphotoxin $\alpha\beta$ heterotrimer. The role of the HVEM LIGHT /LT β receptor ligand pair in immune function and herpesvirus pathobiology remains to be elucidated.

Human CellExp HVEM/TNFRSF14, human recombinant protein - References

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Zhang W., et al. Submitted (MAY-1999) to the EMBL/GenBank/DDBJ databases.
Struyf F., et al. J. Infect. Dis. 185:36-44(2002).
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