Recombinant Human HVEM-Fc
Catalog # PBG10159

Specification

Recombinant Human HVEM-Fc - Product Information

Recombinant Human HVEM-Fc - Additional Information

Description
HVEM belongs to the TNF Receptor superfamily of transmembrane proteins and plays a role in the activation of T-cells and other lymphocytes. It is expressed in various cells and tissues including spleen, thymus, lung, macrophages, and T-cells. HVEM activation induces a signaling cascade which results in induction of transcription factors NF-kappaB and AP-1. LIGHT (TNFSF14) and TNF-β (TNFSF1) function as the ligands for HVEM, which can also bind specifically to herpes simplex virus glycoprotein D. Soluble HVEM can act as a "receptor decoy" resulting in inhibition of the activity of the HVEM ligands, LIGHT and TNF-β. Recombinant human HVEM-Fc Chimera is a 376 amino acid fusion protein containing an N-terminal domain corresponding to the extracellular region of HVEM and a C-terminal domain corresponding to residues 102 to 330 of human IgG1.

BiologicalActivity
Determined by its ability to neutralize 0.25 ng/ml of hTNFβ induced cytotoxicity on murine L929 cells. The expected ED₅₀ for this effect is 1.3-1.9 μg/ml of HVEM-Fc.

Authenticity
Verified by N-terminal and Mass Spectrometry analyses (when applicable).

Endotoxin
Endotoxin level is <0.1 ng/ μg of protein (<1EU/ μg).

Protein Content
Verified by UV Spectroscopy and/or SDS-PAGE gel.

Storage
-20°C

Precautions
Recombinant Human HVEM-Fc is for research use only and not for use in diagnostic or therapeutic procedures.

Recombinant Human HVEM-Fc - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytomety](#)
- [Cell Culture](#)

Recombinant Human HVEM-Fc - Images