

Human HVEM/TNFRSF14 Protein



Cat. No. HVE-HM211

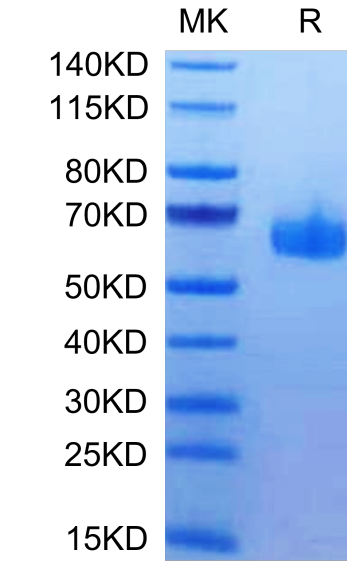
Description	
Source	Recombinant Human HVEM/TNFRSF14 Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Leu39-Val202.
Accession	Q92956-1
Molecular Weight	The protein has a predicted MW of 44.3 kDa. Due to glycosylation, the protein migrates to 60-70 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage	
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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. Two TNF superfamily ligands lymphotoxin α (TNF-β) and LIGHT (TNFSF14) are identified as cellular ligands for HVEM and initiate the positive signaling.	

Assay Data

Bis-Tris PAGE



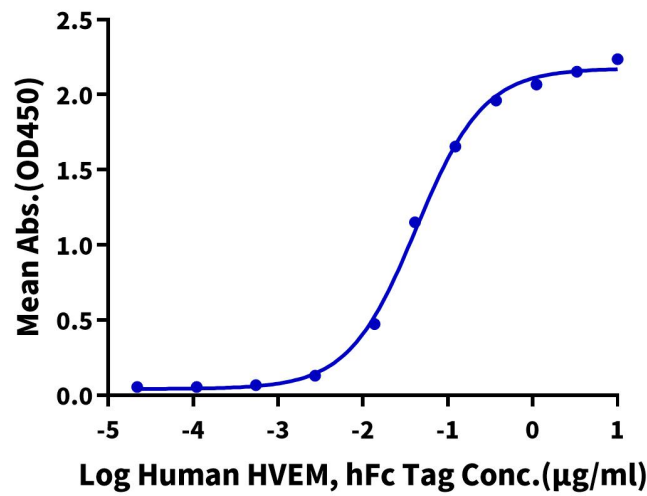
Human HVEM on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

ELISA Data

Assay Data

Human HVEM, hFc Tag ELISA

0.1µg Human BTLA, His Tag Per Well

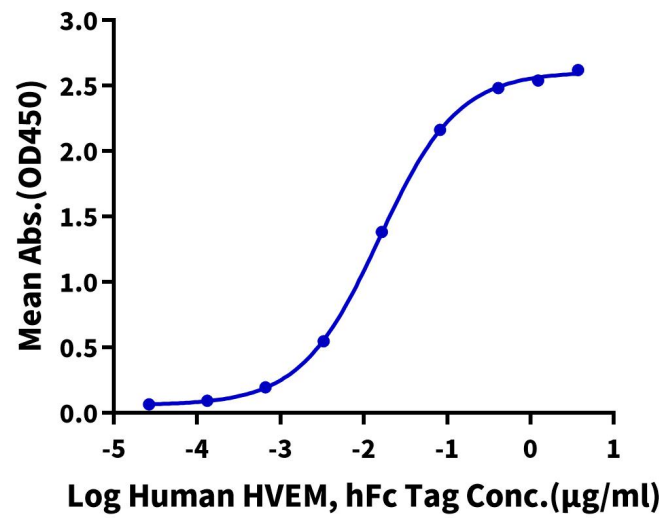


Immobilized Human BTLA, His Tag at 1 µg/ml (100 µl/Well). Dose response curve for Human HVEM, hFc Tag with the EC50 of 42.5 ng/ml determined by ELISA (QC Test).

ELISA Data

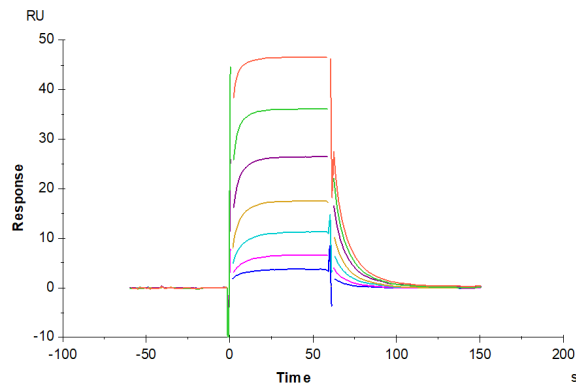
Human HVEM, hFc Tag ELISA

0.2µg Human LIGHT, His Tag Per Well



Immobilized Human LIGHT, His Tag at 2 µg/ml (100 µl/Well) on the plate. Dose response curve for Human HVEM, hFc Tag with the EC50 of 15.3 ng/ml determined by ELISA.

SPR Data



Human HVEM, hFc Tag captured on CM5 Chip via Protein A can bind Human CD160, His Tag with an affinity constant of 1.44 µM as determined in SPR assay (Biacore T200).