Description



PRODUCT INFORMATION

HVEM Target

Synonyms ATAR;CD270;HVEA;HVEM;LIGHTR;TR2 Recombinant Human HVEM Protein with C-

terminal 6×His tag

Delivery In Stock **Uniprot ID** Q92956 **HEK293 Expression Host**

Tag C-6×His Tag

Molecular Characterization

Purity

HVEM(Leu39-Val202) 6×His tag

The protein has a predicted molecular mass of

18.2 kDa after removal of the signal peptide. The apparent molecular mass of HVEM-His is **Molecular Weight**

approximately 25-55 kDa due to glycosylation.

The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % Formulation &

- 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis Reconstitution

for specific instructions of reconstitution. Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not

intended for use within a month, aliquot and store Storage & Shipping at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient

temperature.

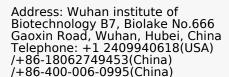
This gene encodes a member of the TNF (tumor necrosis factor) receptor superfamily. The encoded protein functions in signal transduction

pathways that activate inflammatory and inhibitory T-cell immune response. It binds herpes **Background**

simplex virus (HSV) viral envelope glycoprotein D (gD), mediating its entry into cells. Alternative splicing results in multiple transcript variants.

Usage Research use only

Conjugate Unconjugated



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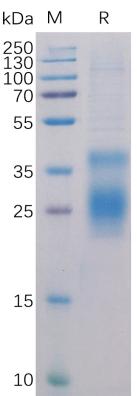


Figure 1. Human HVEM Protein, His Tag on SDS-PAGE under reducing condition.

Human HVEM, His Tagged protein ELISA

0.2 µg of HVEM, His Tagged protein per well

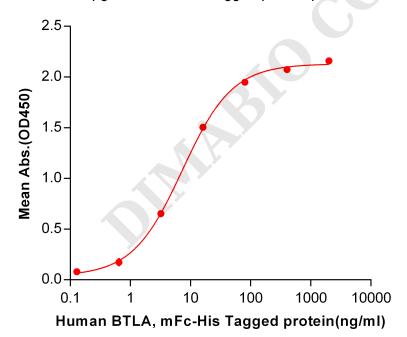


Figure 2. ELISA plate pre-coated by 2 μ g/ml (100 μ l/well) Human HVEM, His tagged protein (PME100273) can bind Human BTLA,mFc-His tagged protein PME100048 in a linear range of 0.64-80 ng/ml.

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Human HVEM, His Tagged protein ELISA

0.2 µg of HVEM, His Tagged protein per well

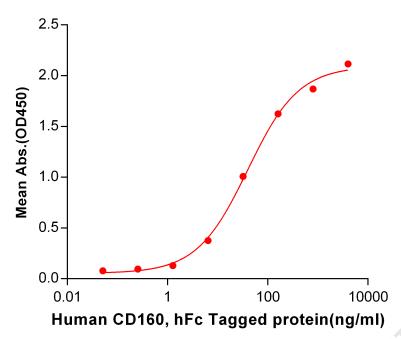


Figure 3. ELISA plate pre-coated by 2 μ g/ml (100 μ l/well) Human HVEM, His tagged protein (PME100273) can bind Human CD160,hFc tagged protein PME100055 in a linear range of 1.28-160 ng/ml.

Human HVEM, His Tagged protein ELISA

 $0.2~\mu g$ of Human HVEM, His Tagged protein per well

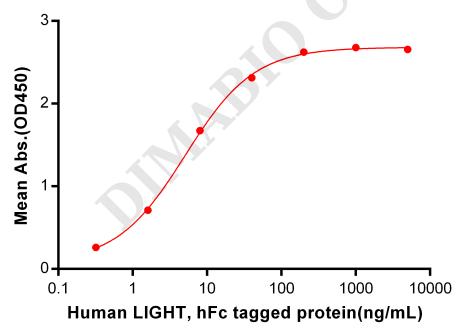


Figure 4. ELISA plate pre-coated by 2 μ g/ml (100 μ l/well) Human HVEM, His tagged protein (PME100273) can bind Human LIGHT, hFc tagged protein PME100049 in a linear range of 0.32-40 ng/ml.

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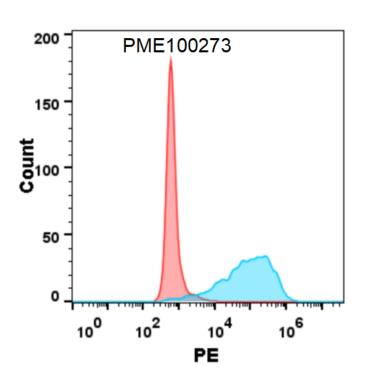


Figure 5. Flow cytometry analysis with 15 μ g/mL Human HVEM Protein, His tag (PME100273) on HEK293 cells transfected with human BTLA (Blue histogram) or HEK293 transfected with irrelevant protein (Red histogram).

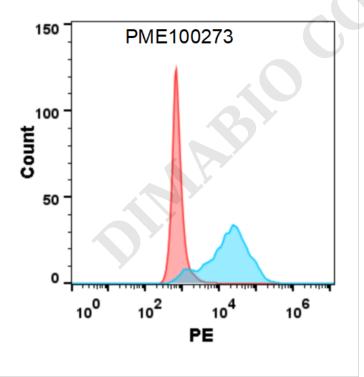


Figure 6. Flow cytometry analysis with 15 μ g/mL Human HVEM Protein, His tag (PME100273) on HEK293 cells transfected with human LIGHT (Blue histogram) or HEK293 transfected with irrelevant protein (Red histogram).

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