

Biotinylated Recombinant Human PVR/CD155 Protein

Catalog No.: RP00389B **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	5817	P15151-1

Tags

C-His&Avi

Synonyms

CD155; HVED; NECL5; Necl-5; nectin-like 5; PVR; PVS; Tage4; PVSFLJ25946; FLJ25946

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE; ≥ 95 % as determined by HPLC.

Calculated MW	Observed MW
38 kDa	55-70 kDa

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

CD155 is a cell surface adhesion molecule functioning in tumor cell migration, invasion, and metastasis, and not surprisingly, is also designated as a common tumor-associated antigen. CD155 is also recognized by NK cells to induce their cytotoxicity. CD155 is also commonly referred to as the "poliovirus receptor," or PVR.

Basic Information

Description

Biotinylated Recombinant Human PVR/CD155 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Trp21-Asn343) of Human PVR/CD155 (Accession #P15151-1) fused with a C-His&Avi tag at the C-terminus.

Bio-Activity

Shipping

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

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

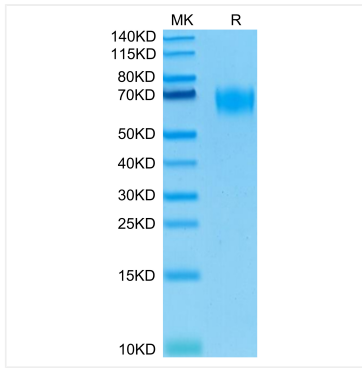
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

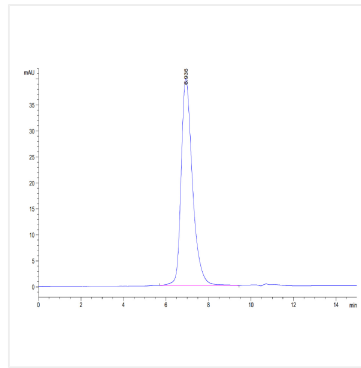
Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

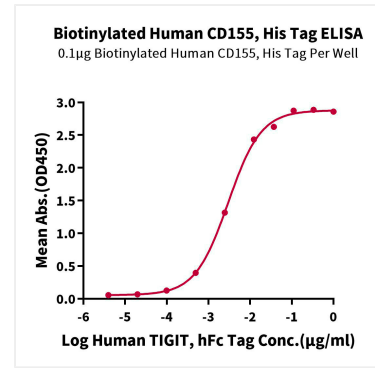
Validation Data



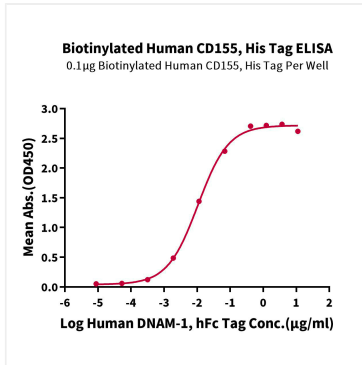
Biotinylated Recombinant Human PVR/CD155 Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Biotinylated Human CD155 is greater than 95% as determined by SEC-HPLC.



Immobilized Biotinylated Human CD155, His Tag at 1 µg/mL (100 µL/well) on the streptavidin precoated plate (5 µg/mL). Dose response curve for Human TIGIT, hFc Tag with the EC₅₀ of 3.0ng/mL determined by ELISA (QC Test).



Immobilized Biotinylated Human CD155, His Tag at 1 µg/mL (100 µL/well) on the plate. Dose response curve for Human DNAM-1, hFc Tag with the EC₅₀ of 10.6ng/mL determined by ELISA.