

# Recombinant Human PVR/CD155 Protein

Catalog No.: RP00394 **Recombinant**

## Sequence Information

| Species | Gene ID | Swiss Prot |
|---------|---------|------------|
| Human   | 5817    | P15151-1   |

### Tags

C-mFc

### Synonyms

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

## Product Information

| Source       | Purification                    |
|--------------|---------------------------------|
| HEK293 cells | > 95% by SDS-PAGE > 95% by HPLC |

### 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

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

### Bio-Activity

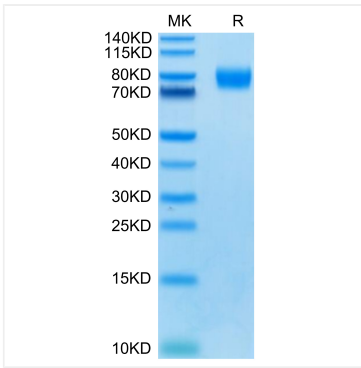
#### Storage

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

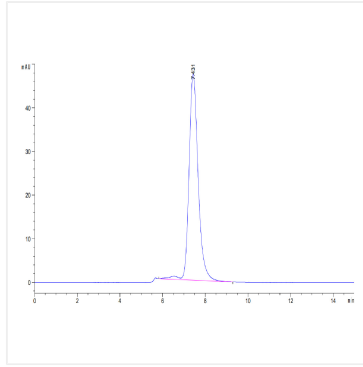
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

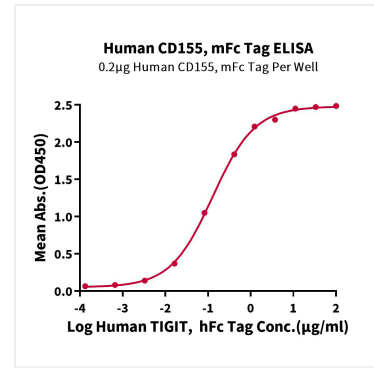
## Validation Data



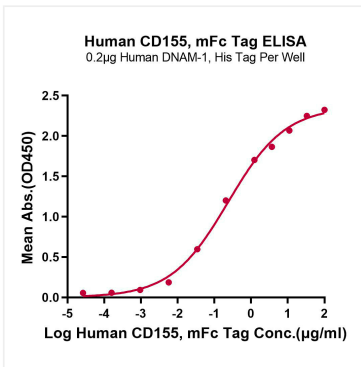
Human CD155 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



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



Immobilized Human CD155, mFc Tag at 2 µg/mL (100 µL/well) on the plate. Dose response curve for Human TIGIT, hFc Tag with the EC<sub>50</sub> of 0.13 µg/mL determined by ELISA (QC Test).



Immobilized Human DNAM-1, His Tag at 2 µg/mL (100 µL/well) on the plate. Dose response curve for Human CD155, mFc Tag with the EC<sub>50</sub> of 0.24 µg/mL determined by ELISA.