

## CD155/PVR Protein, Human, Recombinant (hFc) V2

### General Information

Synonyms:	HVED;poliovirus receptor;PVS;CD155;TAGE4;Necl-5;NECL5
Protein Construction:	Trp21-Asn343
Species:	Human
Expression Host:	HEK293 Cells
Accession:	P15151-1
Molecular Weight:	61.8 kDa (Predicted); 75-100 kDa (Due to glycosylation)

### QC Testing

Biological Activity:	Immobilized Human CD96, mFc Tag at 5 µg/ml (100 µl/Well) on the plate. Dose response curve for Human CD155, hFc Tag with the EC50 of 0.21 µg/ml determined by ELISA. Human CD155, hFc Tag captured on CM5 Chip via Protein A can bind Human CD96, His Tag with an affinity constant of 0.958 µM as determined in SPR assay (Biacore T200).
Purity:	> 95% as determined by Tris-Bis PAGE; > 95% as determined by SEC-HPLC
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

### Preparation and Storage

#### Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 µg/mL. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

#### Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months.

Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

#### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

### Protein 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.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481