

Recombinant Mouse PVR/CD155 Protein

Catalog No.: RP01557 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	52118	Q8K094

Tags

C-hFc&Avi

Synonyms

CD155;HVED;Nectl-5;NECL5;PVS;TAGE4;PVR;CD155;HVED;Nectl-5;NECL5;PVS;TAGE4;PVR

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Calculated MW	Observed MW
62.54 kDa	80-100 kDa

Endotoxin

<0.1EU/μg

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

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.

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Background

The recombinant human PVR consists of 323 amino acids with a molecular weight of 35.1 kDa. CD155 is also known as PVR (poliovirus receptor) and Nectl-5 (nectin-like molecule-5). It is a type I transmembrane single-span glycoprotein belonging to the nectins and nectin-like (Nectl) subfamily. CD155/PVR was originally isolated based on its ability to mediate polio virus attachment to host cells. CD155 may assist in an efficient humoral immune response generated within the intestinal immune system. Commonly known as Poliovirus Receptor (PVR) due to its involvement in the cellular poliovirus infection in primates. It has been demonstrated that CD155 can be recognized and bound by DNAM-1 and CD96 which promote the adhesion, migration and NK-cell killing, and thus efficiently prime cell-mediated tumor-specific immunity.

Basic Information

Description

Recombinant Mouse PVR/CD155 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Asp29-Leu348) of mouse PVR/CD155 (Accession #NP_081790.1) fused with a Fc, Avi tag at the C-terminus.

Bio-Activity

Measured by its binding ability in a functional ELISA. Immobilized Mouse CD155 at 2 μg/mL (100 μL/well) can bind Mouse TIGIT with a linear range of 0.3-4.27 ng/mL.

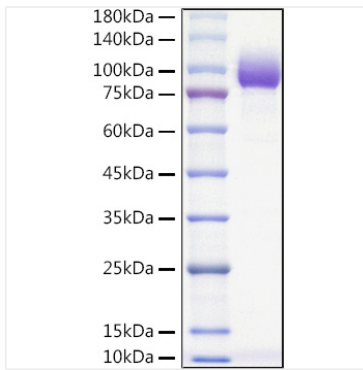
Storage

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

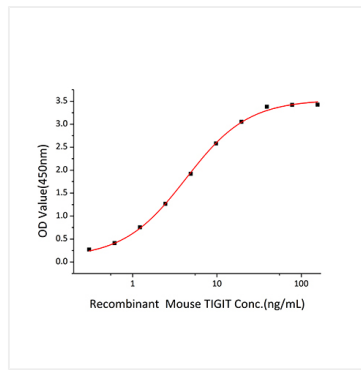
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Mouse PVR/CD155 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 80-100kDa.



Immobilized Mouse CD155 at 2 $\mu\text{g/mL}$ (100 $\mu\text{L/well}$) can bind Mouse TIGIT with a linear range of 0.3-4.27 ng/mL.