

Recombinant Mouse PVR/CD155 Protein

Catalog No.: RP01557

Sequence Information

Species	Gene ID
Mouse	52118
Swiss Prot	Tags
Q8K094	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 % as determined by SDS-PAGE.

Calculated MW	Observed MW
62.54 kDa	80-100 kDa

Endotoxin

< 0.1 EU/μg of the protein by LAL
method.

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 stablizer
(e.g. 0.1% BSA, 5% HSA, 10% FBS
or 5% Trehalose), and aliquot the
reconstituted protein solution to
minimize free-thaw cycles.

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.

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.

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

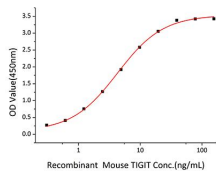
Operational Notes

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

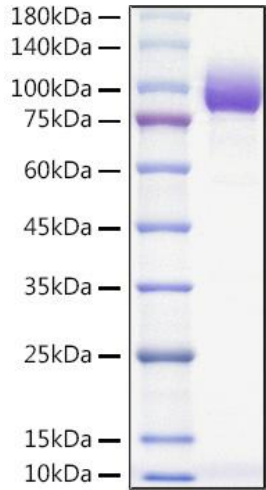
Contact

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Validation Data



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.



Recombinant Mouse PVR/CD155 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.