

RP00296

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Recombinant Human PVR/CD155 Protein

Catalog No.: RP00296

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	5817	P15151

Tags

C-His

Synonyms

CD155; HVED; NECL5; Necl-5; PVS;
TAGE4;PVR;HVED;NECL5;Necl-5;PVS;TAG
E4

Product Information

Source	Purification
HEK293 cells	> 97% by SDS-PAGE.

Endotoxin

< 1.0 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

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 freeze-thaw cycles.

Contact



www.abclonal.com

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 Necl-5 (nectin-like molecule-5). It is a type I transmembrane single-span glycoprotein belonging to the nectins and nectin-like (Necl) 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

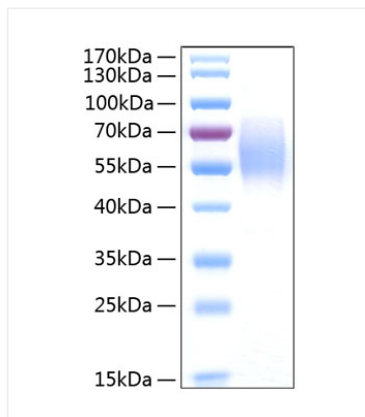
Recombinant Human PVR/CD155 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Asp28-Asn343) of human CD155/PVR (Accession #NP_006496.4) fused with a 6×His tag at the C-terminus.

Bio-Activity

Storage

Store the lyophilized protein at -20°C to -80 °C for long term. 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 Human PVR/CD155 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 60 kDa.