

CD155/PVR Protein, Mouse, Recombinant (mFc)

General Information

Synonyms:	Taa1;3830421F03Rik;poliovirus receptor;necl-5;D7Ertd458e;HVED;CD155;PVS;mE4;Tage4
Protein Construction:	A DNA sequence encoding the mouse PVR (NP_081790.1) (Met1-Arg345) was expressed with the Fc region of mouse IgG2a at the C-terminus. Predicted N terminal: Asp 29
Species:	Mouse
Expression Host:	HEK293 Cells
Accession:	Q8K094
Molecular Weight:	60.78 kDa (predicted)

QC Testing

Biological Activity:	<ol style="list-style-type: none">1. Measured by its binding ability in a functional ELISA. Immobilized TIGIT Protein, Human, Recombinant (ECD, His Tag) at 2 µg/ml (100 µl/well) can bind CD155/PVR Protein, Mouse, Recombinant (mFc Tag), the EC50 of CD155/PVR Protein, Mouse, Recombinant (mFc Tag) is 25-140 ng/mL.2. Immobilized mouse CD155 (mFc Tag) at 2 µg/mL (100µL/well) can bind Mouse TIGIT-His, HPLC-verified, the EC50 of Mouse TIGIT-His, HPLC-verified is 300-900 ng/mL.
Purity:	> 95 % as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Lyophilized from a solution filtered through a 0.22 µm filter, containing PBS, pH 7.4. Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization.

Preparation and Storage

Reconstitution:
A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. 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, commonly known as PVR (poliovirus receptor) and Necl-5 (nectin-like molecule-5), is a type I transmembrane single-span glycoprotein, and belongs to the nectins and nectin-like (Necl) subfamily. CD155 was originally identified based on its ability to mediate the cell attachment and entry of poliovirus (PV), an etiologic agent of the central nervous system disease poliomyelitis. The normal cellular function is in the establishment of intercellular adherens junctions between epithelial cells. CD155 may assist in an efficient humoral immune response generated within the intestinal immune system. It has been demonstrated that CD155 can be recognized and bond by DNAM-1 and CD96 which promote the adhesion, migration and NK-cell killing, and thus efficiently prime cell-mediated tumor-specific immunity. Cancer Immunotherapy Co-inhibitory Immune Checkpoint Targets Immune Checkpoint Immune Checkpoint Detection: ELISA Antibodies Immune Checkpoint Detection: FCM Antibodies Immune Checkpoint Detection: ICC Antibodies Immune Checkpoint Detection: IP Antibodies Immune Checkpoint Detection: WB Antibodies Immune Checkpoint Proteins Immune Checkpoint Targets Immunotherapy Targeted Therapy

Reference

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