

Recombinant Rhesus macaque PVR protein, His-tagged

Cat. No. PVR-3116C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rhesus macaque PVR (Asp28-Asn343) protein was fused to His-tag at C-terminus and expressed in human 293 cells (HEK293).
Species	Rhesus macaque
Source	HEK293
ProteinLength	Asp28-Asn343
Description	<p>CD155 (cluster of differentiation 155) also known as the poliovirus receptor is a protein that is encoded by the PVR gene. CD155 is a Type I transmembrane glycoprotein in the immunoglobulin superfamily. Commonly known as Poliovirus Receptor (PVR) due to its involvement in the cellular poliovirus infection in primates, CD155's normal cellular function is in the establishment of intercellular adherens junctions between epithelial cells. The role of CD155 in the immune system is unclear, though it may be involved in intestinal humoral immune responses. Subsequent data has also suggested that CD155 may also be used to positively select MHC-independent T cells in the thymus.</p>
Predicted N Terminal	Asp28
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4, 10% trehalose.
Molecular Mass	The protein has a calculated MW of 36.3 kDa. The protein migrates as 48-60 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

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Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>90% as determined by SDS-PAGE.
Storage	<p>For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower.</p> <p>Please avoid repeated freeze-thaw cycles.</p> <p>This product is stable after storage at:</p> <p>-20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.</p>
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

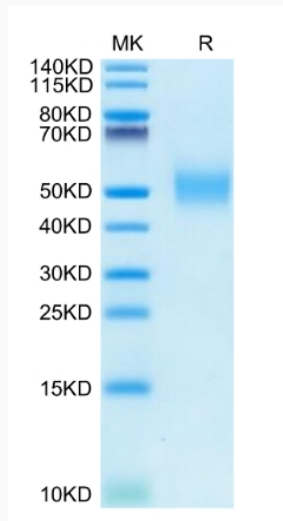
Gene Name	PVR
Official Symbol	PVR
Synonyms	PVR; poliovirus receptor; PVS; CD155; HVED; Necl 5; NECL5; nectin like 5; Tage4; nectin-like 5; nectin-like protein 5; TAGE4; Necl-5; FLJ25946
Gene ID	712851
mRNA Refseq	NM_001043386.1
Protein Refseq	NP_001036851.1
UniProt ID	Q0MSE6

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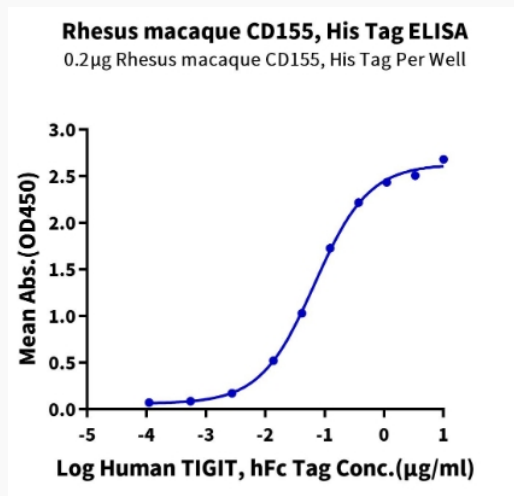
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SDS-PAGE of PVR-3116C



Rhesus macaque CD155, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.

Bioactivity-ELISA of PVR-3116C



Immobilized Rhesus macaque CD155, His Tag at 5 µg/mL (100 µL/well) can bind

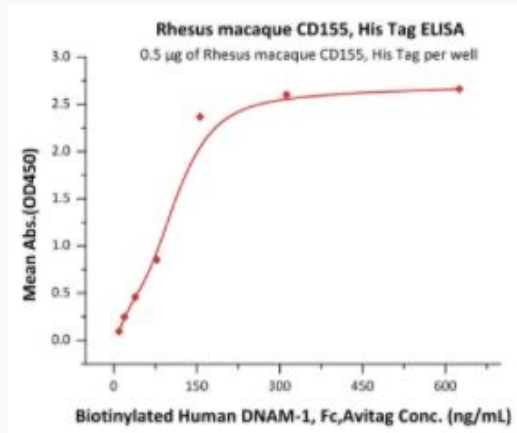
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Cynomolgus / Rhesus macaque TIGIT, Fc Tag with a linear range of 0.02-0.313 $\mu\text{g/mL}$ (QC tested).


Bioactivity-ELISA



Immobilized Rhesus macaque CD155, His Tag at 5 $\mu\text{g/mL}$ (100 $\mu\text{L/well}$) can bind Biotinylated Human DNAM-1, Fc, Avitag with a linear range of 10-156 ng/mL (Routinely tested).

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