

Recombinant Monkey PVR Protein, His-tagged, Alexa Fluor 555 conjugated

Cat. No. PVR-3116CAF555 Lot. No. (See product label)

SPECIFICATION

Product Overview	Alexa Fluor 555 conjugated recombinant Rhesus macaque PVR (Asp28-Asn343) protein was fused to His-tag at C-terminus and expressed in human 293 cells (HEK293).
Species	Monkey
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>
Form	Lyophilized
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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N-terminal Sequence Analysis	Asp 28
Endotoxin	< 1.0 EU/ µg by the LAL method.
Purity	> 90 % as determined by SDS-PAGE
Characteristic	<p>Disulfide-linked homodimer</p> <p>Labeled with Alexa Fluor 555 via amines</p> <p>With an excitation and emission maximum of 555/565 nm, Alexa Fluor 555 can be efficiently excited using a 543 nm He-Ne laser line and detected under standard TRITC/Cy3 filters.</p>
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;</p> <p>-70 centigrade for 3 months under sterile conditions after reconstitution.</p>
Storage Buffer	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4, 10% trehalose.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 µg/µL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.
Conjugation	Alexa Fluor 555

GENE INFORMATION

Gene Name PVR

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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
Protein Refseq	NP_001036851
UniProt ID	Q0MSE6

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