

PVR Blocking Peptide (C-term)
Synthetic peptide
Catalog # BP19996b**Specification**

PVR Blocking Peptide (C-term) - Product Information

Primary Accession [P15151](#)
Other Accession [NP_006496.3](#)

PVR Blocking Peptide (C-term) - Additional Information

Gene ID 5817

Other Names

Poliovirus receptor, Nectin-like protein 5, NECL-5, CD155, PVR, PVS

Target/Specificity

The synthetic peptide sequence is selected from aa 329-342 of HUMAN PVR

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PVR Blocking Peptide (C-term) - Protein Information

Name PVR

Synonyms PVS

Function

Mediates NK cell adhesion and triggers NK cell effector functions. Binds two different NK cell receptors: CD96 and CD226. These interactions accumulate at the cell-cell contact site, leading to the formation of a mature immunological synapse between NK cell and target cell. This may trigger adhesion and secretion of lytic granules and IFN-gamma and activate cytotoxicity of activated NK cells. May also promote NK cell-target cell modular exchange, and PVR transfer to the NK cell. This transfer is more important in some tumor cells expressing a lot of PVR, and may trigger fratricide NK cell activation, providing tumors with a mechanism of immunoevasion. Plays a role in mediating tumor cell invasion and migration.

Cellular Location

[Isoform Alpha]: Cell membrane; Single-pass type I membrane protein [Isoform Beta]: Secreted.

PVR Blocking Peptide (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

PVR Blocking Peptide (C-term) - Images

PVR Blocking Peptide (C-term) - Background

The protein encoded by this gene is a transmembrane glycoprotein belonging to the immunoglobulin superfamily. The external domain mediates cell attachment to the extracellular matrix molecule vitronectin, while its intracellular domain interacts with the dynein light chain Tctex-1/DYNLT1. The gene is specific to the primate lineage, and serves as a cellular receptor for poliovirus in the first step of poliovirus replication. Multiple transcript variants encoding different isoforms have been found for this gene.

PVR Blocking Peptide (C-term) - References

Nakai, R., et al. Cancer Sci. 101(5):1326-1330(2010)
Jugessur, A., et al. PLoS ONE 5 (7), E11493 (2010) :
Stanietsky, N., et al. Proc. Natl. Acad. Sci. U.S.A. 106(42):17858-17863(2009)
Carlsten, M., et al. J. Immunol. 183(8):4921-4930(2009)
Kindberg, E., et al. J. Med. Virol. 81(5):933-936(2009)