

Human CellExp CD111 / Nectin-1 / PVRL1, human recombinant protein
PVRL1, Nectin-1, CD111, CLPED1, ED4, HIgR, HVEC, OFC7, PRR, PRR1, PVRR, PVRR1, SK-12
Catalog # PBV11002r

Specification

Human CellExp CD111 / Nectin-1 / PVRL1, human recombinant protein - Product info

Primary Accession
Calculated MW

[Q15223](#)

This protein is fused with 6×His tag at the C-terminus, has a calculated MW of 34.8 kDa. The predicted N-terminus is Gln 31. DTT-reduced Protein migrates as 45-60 kDa due to glycosylation. KDa

Human CellExp CD111 / Nectin-1 / PVRL1, human recombinant protein - Additional Info

Gene ID
Gene Symbol
Other Names

5818
PVRL1

PVRL1, Nectin-1, CD111, CLPED1, ED4, HIgR, HVEC, OFC7, PRR, PRR1, PVRR, PVRR1, SK-12

Gene Source
Source
Assay&Purity
Assay2&Purity2
Recombinant
Results

Human
HEK293 cells
SDS-PAGE; ≥95%
N/A;
Yes
Measured by its binding ability in a functional ELISA. Immobilized recombinant human Nectin-3 /PVRL3 at 1 µg/ml (100 µl/well) can bind biotinylated recombinant human PVRL1 / Nectin-1 with a linear range of 6.25-1000 ng/ml.

Target/Specificity
CD111/Nectin-1/PVRL1

Application Notes

Centrifuge the vial prior to opening. Reconstitute in sterile PBS, pH 7.4 to a concentration of 50 µg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 month. For extended storage, it is recommended to store at -20°C.

Format
Lyophilized

Storage
-20°C; Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Generally 5-8% Mannitol or trehalose is added as a protectant before lyophilization.

Human CellExp CD111 / Nectin-1 / PVRL1, human recombinant protein - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Human CellExp CD111 / Nectin-1 / PVRL1, human recombinant protein - Images

Human CellExp CD111 / Nectin-1 / PVRL1, human recombinant protein - Background

Poliovirus receptor-related protein 1 (PVRL1) is also known as Herpes virus entry mediator C (HveC), Herpesvirus Ig-like receptor (HlgR), Nectin-1, CD antigen CD111, PVRL1 / Nectin-1 / CD111 belongs to the nectin family. PVRL1 / Nectin-1 is a membrane protein with three extracellular immunoglobulin domains, a single transmembrane helix and a cytoplasmic tail. The protein can mediate Ca²⁺-independent cellular adhesion further characterizing it as IgSF cell adhesion molecule (IgSF CAM). PVRL1 is adhesion molecule found in a wide range of tissues. PVRL1 / Nectin-1 promote cell-cell contacts by forming homophilic or heterophilic trans-dimers. Heterophilic interactions have been detected between PVRL1/nectin-1 and PVRL3/nectin-3 and between PVRL1/nectin-1 and PVRL4/nectin-4.

Human CellExp CD111 / Nectin-1 / PVRL1, human recombinant protein - References

Lopez M.,et al.Gene 155:261-265(1995).
Geraghty R.J.,et al.Science 280:1618-1620(1998).
Lopez M.,et al.J. Virol. 75:5684-5691(2001).
Suzuki K.,et al.Nat. Genet. 25:427-430(2000).
Krummenacher C.,et al.J. Virol. 72:7064-7074(1998).