

## Product datasheet for **CF503520**

### **PVRL1 (NECTIN1) Mouse Monoclonal Antibody [Clone ID: OTI6D12]**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	OTI6D12
<b>Applications:</b>	FC, WB
<b>Recommended Dilution:</b>	WB 1:2000, FLOW 1:100
<b>Reactivity:</b>	Human
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG1
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Full length human recombinant protein of human PVRL1(NP_002846) produced in HEK293T cell.
<b>Formulation:</b>	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
<b>Reconstitution Method:</b>	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
<b>Purification:</b>	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Predicted Protein Size:</b>	54 kDa
<b>Gene Name:</b>	nectin cell adhesion molecule 1
<b>Database Link:</b>	<a href="#">NP_002846</a> <a href="#">Entrez Gene 5818 Human</a> <a href="#">Q15223</a>



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**Background:**

This gene encodes an adhesion protein that plays a role in the organization of adherens junctions and tight junctions in epithelial and endothelial cells. The protein is a calcium(2+)-independent cell-cell adhesion molecule that belongs to the immunoglobulin superfamily and has 3 extracellular immunoglobulin-like loops, a single transmembrane domain (in some isoforms), and a cytoplasmic region. This protein acts as a receptor for glycoprotein D (gD) of herpes simplex viruses 1 and 2 (HSV-1, HSV-2), and pseudorabies virus (PRV) and mediates viral entry into epithelial and neuronal cells. Mutations in this gene cause cleft lip and palate/ectodermal dysplasia 1 syndrome (CLPED1) as well as non-syndromic cleft lip with or without cleft palate (CL/P). Alternative splicing results in multiple transcript variants encoding proteins with distinct C-termini. [provided by RefSeq, Oct 2009]

**Synonyms:**

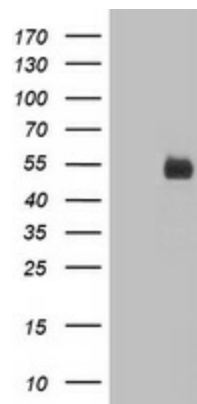
CD111; CLPED1; ED4; HlgR; HV1S; HVEC; nectin-1; OFC7; PRR; PRR1; PVRL1; PVRR; PVRR1; SK-12

**Protein Families:**

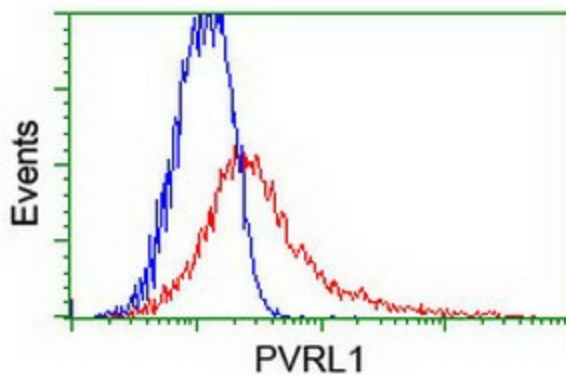
Druggable Genome, ES Cell Differentiation/IPS, Transmembrane

**Protein Pathways:**

Adherens junction, Cell adhesion molecules (CAMs)

**Product images:**

HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY PVRL1 [RC211214], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-PVRL1. Positive lysates [LY419083] (100ug) and [LC419083] (20ug) can be purchased separately from OriGene.



HEK293T cells transfected with either [RC211214] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-PVRL1 antibody ([TA503520]), and then analyzed by flow cytometry.