

For Research Use Only

# Nectin-4/PVRL4 Recombinant antibody



Catalog Number: 83223-6-RR

## Basic Information

<b>Catalog Number:</b> 83223-6-RR	<b>GenBank Accession Number:</b> BC010423	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 81607	<b>CloneNo.:</b> 240009E2
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q96NY8	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG	<b>Full Name:</b> poliovirus receptor-related 4	
	<b>Calculated MW:</b> 510 aa, 55 kDa	
	<b>Observed MW:</b> 66 kDa	

## Applications

<b>Tested Applications:</b> WB, FC, ELISA	<b>Positive Controls:</b> WB : human placenta tissue, A2780 cells
<b>Species Specificity:</b> Human	

## Background Information

Nectin-4, also known as PVRL4, is a type-I transmembrane glycoprotein that belongs to the nectin subfamily of immunoglobulin-like adhesion molecules that participate in Ca<sup>2+</sup>-independent cell-cell adhesion (PMID: 18703497). The extracellular domain of Nectin-4, which contains three immunoglobulin-like domains (V and two C2-type domains, VCC), can be proteolytically cleaved to release a soluble form. Nectin-4 interacts with afadin via its carboxyl-terminal cytoplasmic sequence and trans-interacts with nectin-1/PRR1 through V domain interaction (PMID: 11544254). It acts as a receptor for measles virus (PMID: 22048310). Nectin-4 is overexpressed in multiple human malignancies and the aberrant expression is correlated with cancer progression and poor prognostic (PMID: 35131876). Nectin-4 can be detected as a soluble form of 43 kDa and a transmembrane form of 66 kDa (PMID: 15784625).

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

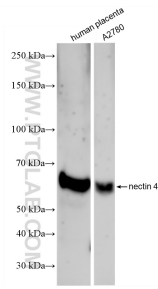
T: 4006900926

E: Proteintech-CN@ptglab.com

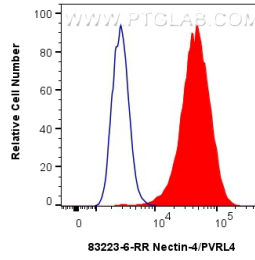
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83223-6-RR (Nectin-4/PVRL4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



$1 \times 10^6$  MCF-7 cells were intracellularly stained with 0.25  $\mu$ g Nectin-4/PVRL4 Recombinant antibody (83223-6-RR, Clone: 240009E2) and CoraLite<sup>®</sup> 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2) (red), or 0.25  $\mu$ g Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).