

# Nectin-4/PVRL4 Monoclonal antibody

Catalog Number: 67721-1-Ig

## Basic Information

**Catalog Number:**

67721-1-Ig

**GenBank Accession Number:**

BC010423

**Purification Method:**

Protein G purification

**Size:**

150ul, Concentration: 1000 ug/ml by Nanodrop and 466 ug/ml by Bradford method using BSA as the standard;

**GeneID (NCBI):**

81607

**CloneNo.:**

2D4B6

**UNIPROT ID:**

Q96NY8

**Recommended Dilutions:**

WB 1:500-1:3000

**Source:**

Mouse

**Full Name:**

poliovirus receptor-related 4

**Isotype:**

IgG1

**Calculated MW:**

510 aa, 55 kDa

**Immunogen Catalog Number:**

AG14414

**Observed MW:**

43 kDa

## Applications

**Tested Applications:**

WB, ELISA

**Positive Controls:**

WB : human placenta tissue, A431 cells

**Species Specificity:**

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

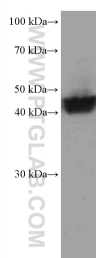
**\*\*\* 20ul sizes contain 0.1% BSA**

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

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## Selected Validation Data



human placenta tissue were subjected to SDS PAGE followed by western blot with 67721-1-Ig (Nectin-4/PVRL4 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.