

# Nectin-4/PVRL4 Monoclonal antibody

Catalog Number: 67721-1-Ig

## Basic Information

## Catalog Number:

67721-1-Ig

## Size:

1000  $\mu$ g/ml

## Source:

Mouse

## Isotype:

IgG1

## Immunogen Catalog Number:

AG14414

## GenBank Accession Number:

BC010423

## GeneID (NCBI):

81607

## UNIPROT ID:

Q96NY8

## Full Name:

poliovirus receptor-related 4

## Calculated MW:

510 aa, 55 kDa

## Observed MW:

43 kDa

## Purification Method:

Protein G purification

## CloneNo.:

2D4B6

## Recommended Dilutions:

WB 1:500-1:3000

## Applications

## Tested Applications:

WB, ELISA

## Species Specificity:

Human

## Positive Controls:

WB : human placenta tissue, A431 cells

## 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:

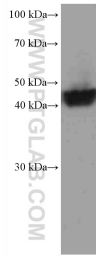
Store at -20°C. Stable for one year after shipment.

## Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

## 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.