

For Research Use Only

# nectin 4 Recombinant antibody, PBS Only (Detector)

Catalog Number: 83223-2-PBS



## Basic Information

<b>Catalog Number:</b> 83223-2-PBS	<b>GenBank Accession Number:</b> BC010423	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 81607	<b>CloneNo.:</b> 240009G5
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q96NY8	
<b>Isotype:</b> IgG	<b>Full Name:</b> poliovirus receptor-related 4	
	<b>Calculated MW:</b> 510 aa, 55 kDa	

## Applications

**Tested Applications:**  
Cytometric bead array, Indirect ELISA

**Species Specificity:**  
human

## Product Information

83223-2-PBS targets nectin 4 as part of a matched antibody pair:

MP00147-3: 83223-5-PBS capture and 83223-2-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

## 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

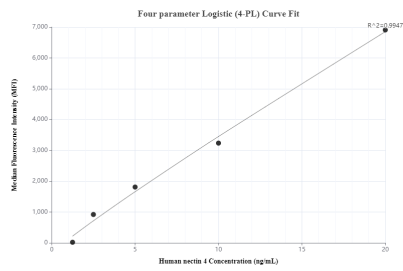
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

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)

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# Selected Validation Data



Cytometric bead array standard curve of MP00147-3, Nectin-4/PVRL4 Recombinant Matched Antibody Pair - PBS only. Capture antibody: 83223-5-PBS. Detection antibody: 83223-2-PBS. Standard: Eg0415. Range: 1.25-20 ng/mL