

**Nectin-4**  
**Catalog # PVGS1703****Specification**

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**Nectin-4 - Product Information**

Primary Accession [Q96NY8](#)  
**Species**  
Human

**Sequence**  
Gly32-Val351

**Purity**  
> 95% as determined by Bis-Tris PAGE  
> 95% as determined by HPLC

**Endotoxin Level**  
Less than 1EU per µg by the LAL method.

**Biological Activity**  
Immobilized Nectin-4[Biotin], His & Avi, Human (Cat.No.: Z03825) at 0.5 µg/ml (100 µl/Well) can bind Anti-Nectin-4 Antibody.

**Expression System**  
HEK293

**Theoretical Molecular Weight**  
37.2 kDa

Formulation **Lyophilized from a 0.22 µm filtered solution in PBS, pH 7.4.**

**Reconstitution**  
Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.

**Storage & Stability**  
Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

**Nectin-4 - Additional Information**

**Gene ID** 81607

**Other Names**  
Nectin-4, Ig superfamily receptor LNIR, Nectin cell adhesion molecule 4  
{ECO:0000312|HGNC:HGNC:19688}, Poliovirus receptor-related protein 4, Processed poliovirus receptor-related protein 4, NECTIN4 ([http://www.genenames.org/cgi-bin/gene\\_symbol\\_report?hgnc\\_id=19688](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=19688))  
(HGNC:19688), LNIR, PRR4, PVRL4

**Target Background**

Nectin-4 is a tumor-associated antigen. It is probably involved in cell adhesion through trans-homophilic and -heterophilic interactions. Nectin-4 is overexpressed in urothelial carcinoma and several other malignancies. It is a promising target for antibody-drug conjugates (ADCs).

**Nectin-4 - Protein Information**

**Name** NECTIN4 ([HGNC:19688](#))

**Synonyms** LNIR, PRR4, PVRL4

**Function**

Seems to be involved in cell adhesion through trans- homophilic and -heterophilic interactions, the latter including specifically interactions with NECTIN1. Does not act as receptor for alpha-herpesvirus entry into cells.

**Cellular Location**

Cell membrane; Single-pass type I membrane protein. Cell junction, adherens junction.  
Note=Colocalizes with AFDN at cadherin- based adherens junctions (PubMed:11544254)

**Tissue Location**

Predominantly expressed in placenta. Not detected in normal breast epithelium but expressed in breast carcinoma

**Nectin-4 - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Nectin-4 - Images**