

Nectin-4
Catalog # PVGS1704**Specification**

Nectin-4 - Product Information

Primary Accession [Q8R007](#)
Species
Mouse

Sequence
Gly31-Ser347

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, His, Mouse (Cat.No.: Z03826) at 2 µg/ml on the plate can bind Human Nectin-1, hFc Tag.

Expression System
HEK293

Theoretical Molecular Weight
35.4 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 71740

Other Names
Nectin-4, Ig superfamily receptor LNIR, Nectin cell adhesion molecule 4, Poliovirus receptor-related protein 4, Nectin4 {ECO:0000250|UniProtKB:Q96NY8}, Lnir, Prr4, Pvr14

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 {ECO:0000250|UniProtKB:Q96NY8}

Synonyms Lnir, Prr4, Pvr14

Function

Seems to be involved in cell adhesion through trans- homophilic and -heterophilic interactions, the latter including specifically interactions with NECTIN1. Plays a role in the senescence- associated cell size enlargement via SFK/PI3K/Rac1 and thus promotes senescent cell survival. Participates also in the innate immune response by acting as a ligand for the receptor TIGIT to inhibit NK- cell activity.

Cellular Location

Cell membrane {ECO:0000250|UniProtKB:Q96NY8}; Single-pass type I membrane protein {ECO:0000250|UniProtKB:Q96NY8} Cell junction, adherens junction {ECO:0000250|UniProtKB:Q96NY8} Note=Colocalizes with AFDN at cadherin-based adherens junctions {ECO:0000250|UniProtKB:Q96NY8}

Tissue Location

Expressed in brain, lung, testis and embryo.

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