10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Nectin-4

Catalog # PVGS1704

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.

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, 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).

Protein Information

Name	Nectin4 {ECO:0000250|UniProtKB:Q96NY8}

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. Plays a role in the senescence- associated cell size enlargement via SFK/PI3K/Rac1 and thus promotes senescent cell survival. Also participates 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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.