

## Human Nectin-1, NECTIN1 ELISA Kit | NECTIN1 elisa kit

Human Nectin-1, NECTIN1 Primacu ELISA Kit

CATALOG #  
**AAA124148**

REACTIVITY  
**Human**

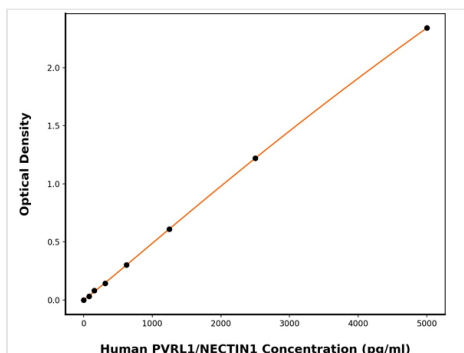
### PRODUCT SYNONYMS

Nectin-1; NECTIN1; Human Nectin-1; NECTIN1 Primacu ELISA Kit; PVRL1; HVEC; PRR1; NECTIN1 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                        |
|-------------------------|----------------------------------------|
| Reactivity              | Human                                  |
| Assay Type              | Sandwich                               |
| Samples                 | Serum, plasma, cell culture supernates |
| Detection Range         | 78.125-5000pg/mL                       |
| Sensitivity             | 16.69pg/mL                             |
| Standard Solution       | 50ng/mL                                |
| Assay Time              | 3.5h                                   |
| Preparation and Storage | Store at 2-8 degree C                  |

### IMAGES



Standard Curve (Sample)

Typical Testing Data/Standard Curve (for reference only)

ADDITIONAL INFORMATION

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| Related Product Information for NECTIN1 elisa kit | Poliovirus receptor-related 1 (herpesvirus entry mediator C; nectin-1; CD111), also known as PVRL1 is a cell adhesion molecule belonging to the immunoglobulin superfamily that can bind to virion glycoprotein D (gD) to mediate entry of herpes simplex viruses (HSV) and pseudorabies virus (PRV). CD111/Nectin-1/PVRL1 colocalizes with E-cadherin at adherens junctions in epithelial cells. The disruption of cell junctions can result in the redistribution of nectin-1. To determine whether disruption of junctions by calcium depletion influenced the susceptibility of epithelial cells to viral entry, Madin-Darby canine kidney cells expressing endogenous nectin-1 or transfected human nectin-1 were tested for the ability to bind soluble forms of viral gD and to be infected by HSV and PRV, before and after calcium depletion. It has been revealed that binding of HSV and PRV gD was localized to adherens junctions in cells maintained in normal medium but was distributed, along with nectin-1, over the entire cell surface after calcium depletion. Both the binding of gD and the fraction of cells that could be infected by HSV-1 and PRV were enhanced by calcium depletion. Taken together, CD111/Nectin-1/PVRL1 confined to adherens junctions in epithelial cells is not very accessible to virus, whereas dissociation of cell junctions releases nectin-1 to serve more efficiently as an entry receptor. |
| Product Categories/Family for NECTIN1 elisa kit   | Primacu ELISA Kit; Microbiology; Neuroscience                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                          |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 42560237                                                                                                                                                                                 |
| NCBI GeneID                      | 5818                                                                                                                                                                                     |
| NCBI Accession #                 | NP_002846.3                                                                                                                                                                              |
| NCBI GenBank Nucleotide #        | NM_002855.4                                                                                                                                                                              |
| UniProt Accession #              | Q15223; O75465; Q2M3D3; Q9HBE6; Q9HBW2                                                                                                                                                   |
| Molecular Weight                 | 57,158 Da                                                                                                                                                                                |
| NCBI Official Full Name          | poliovirus receptor-related protein 1 isoform 1                                                                                                                                          |
| NCBI Official Synonym Full Names | poliovirus receptor-related 1 (herpesvirus entry mediator C)                                                                                                                             |
| NCBI Official Symbol             | PVRL1                                                                                                                                                                                    |
| NCBI Official Synonym Symbols    | ED4; PRR; HlgR; HVEC; OFC7; PRR1; PVRR; CD111; PVRR1; SK-12; CLPED1; nectin-1                                                                                                            |
| NCBI Protein Information         | poliovirus receptor-related protein 1; nectin 1; poliovirus receptor-like 1; herpesvirus Ig-like receptor; herpes virus entry mediator C; ectodermal dysplasia 4 (Margarita Island type) |
| UniProt Protein Name             | Poliovirus receptor-related protein 1                                                                                                                                                    |
| UniProt Gene Name                | PVRL1                                                                                                                                                                                    |
| UniProt Synonym Gene Names       | HVEC; PRR1; Herpesvirus entry mediator C; HveC; HlgR                                                                                                                                     |
| UniProt Entry Name               | PVRL1_HUMAN                                                                                                                                                                              |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.