

## ARG81602 Human NECTIN4 / PVRL4 ELISA Kit

Package: 96 wells  
Store at: 4°C

### Component

Cat. No.	Component Name	Package	Temp
ARG81602-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81602-002	Standard	2 X 10 ng/vial	4°C
ARG81602-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81602-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81602-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81602-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81602-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81602-008	25X Wash buffer	20 ml	4°C
ARG81602-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81602-010	STOP solution	10 ml (Ready to use)	4°C
ARG81602-011	Plate sealer	4 strips	Room temperature

### Summary

Product Description	ARG81602 Human NECTIN4 / PVRL4 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human NECTIN4 / PVRL4 in serum, plasma (heparin, EDTA), urine and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	NECTIN4 / PVRL4
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	15.6 pg/ml
Sample Type	Serum, plasma (heparin, EDTA), urine and cell culture supernatants.
Standard Range	31.2 - 2000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.5% Inter-Assay CV: 6.1%
Alternate Names	Nectin-4; Ig superfamily receptor LNIR; PRR4; LNIR; nectin-4; EDSS1; Poliovirus receptor-related protein 4; Nectin cell adhesion molecule 4

## Application Instructions

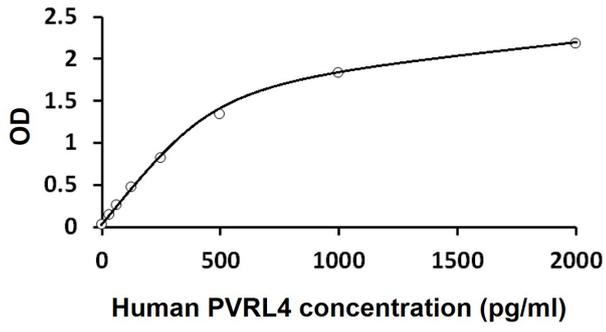
Assay Time	~ 5 hours
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## Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Gene Symbol	PVRL4
Gene Full Name	poliovirus receptor-related 4
Background	This gene encodes a member of the nectin family. The encoded protein contains two immunoglobulin-like (Ig-like) C2-type domains and one Ig-like V-type domain. It is involved in cell adhesion through trans-homophilic and -heterophilic interactions. It is a single-pass type I membrane protein. The soluble form is produced by proteolytic cleavage at the cell surface by the metalloproteinase ADAM17/TACE. The secreted form is found in both breast tumor cell lines and breast tumor patients. Mutations in this gene are the cause of ectodermal dysplasia-syndactyly syndrome type 1, an autosomal recessive disorder. Alternatively spliced transcript variants have been found but the full-length nature of the variant has not been determined.[provided by RefSeq, Jan 2011]
Function	Seems to be involved in cell adhesion through trans-homophilic and -heterophilic interactions, the latter including specifically interactions with PVRL2/nectin-1. Does not act as receptor for alpha-herpesvirus entry into cells. [UniProt]
Highlight	New ELISA data calculation tool: <a href="#">Simplify the ELISA analysis by GainData</a>
PTM	The soluble form is produced by proteolytic cleavage at the cell surface (shedding), probably by ADAM17/TACE. [UniProt]
Cellular Localization	Cell membrane; Single-pass type I membrane protein. Cell junction, adherens junction. Note=Colocalizes with AFDN at cadherin-based adherens junctions (PubMed:11544254). Processed poliovirus receptor-related protein 4: Secreted. Note=The secreted form is found in breast tumor patients (PubMed:15784625). [UniProt]



ARG81602 Human NECTIN4 / PVRL4 ELISA Kit standard curve image

ARG81602 Human NECTIN4 / PVRL4 ELISA Kit results of a typical standard run with optical density reading at 450 nm.

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