

ARG82440 Human Nectin 3 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82440-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82440-002	Standard	2 X 10 ng/vial	4°C
ARG82440-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82440-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82440-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82440-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82440-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82440-008	25X Wash buffer	20 ml	4°C
ARG82440-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82440-010	STOP solution	10 ml (Ready to use)	4°C
ARG82440-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82440 Human Nectin 3 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human Nectin 3 in serum, plasma (EDTA, heparin) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	Nectin 3
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	62.5 pg/ml
Sample Type	Serum, plasma (EDTA, heparin) and cell culture supernatants.
Standard Range	125 - 8000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 5.9% Inter-Assay CV: 5.3%

Alternate Names PVRR3; PPR3; CDW113; PRR3; Nectin-3; CDw113; CD113; NECTIN-3; Poliovirus receptor-related protein 3; CD antigen CD113

Application Instructions

Assay Time ~ 5 hours

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 PVRL3

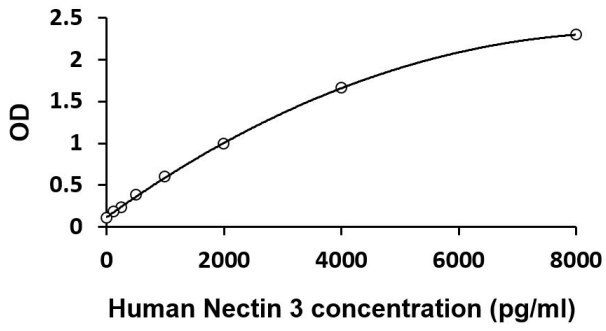
Gene Full Name poliovirus receptor-related 3

Background This gene encodes a member of the nectin family of proteins, which function as adhesion molecules at adherens junctions. This family member interacts with other nectin-like proteins and with afadin, a filamentous actin-binding protein involved in the regulation of directional motility, cell proliferation and survival. This gene plays a role in ocular development involving the ciliary body. Mutations in this gene are believed to result in congenital ocular defects. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2011]

Function Plays a role in cell-cell adhesion through heterophilic trans-interactions with nectin-like proteins or nectins, such as trans-interaction with PVRL2/nectin-2 at Sertoli-spermatid junctions. Trans-interaction with PVR induces activation of CDC42 and RAC small G proteins through common signaling molecules such as SRC and RAP1. Also involved in the formation of cell-cell junctions, including adherens junctions and synapses. Induces endocytosis-mediated down-regulation of PVR from the cell surface, resulting in reduction of cell movement and proliferation. Plays a role in the morphology of the ciliary body. [UniProt]

Highlight Related products:
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New ELISA data calculation tool:
[Simplify the ELISA analysis by GainData](#)

Cellular Localization Cell membrane; Single-pass membrane protein. Cell junction, synapse, postsynaptic cell membrane. [UniProt]



ARG82440 Human Nectin 3 ELISA Kit standard curve image

ARG82440 Human Nectin 3 ELISA Kit results of a typical standard run with optical density reading at 450 nm.