

Human Nectin-4 ELISA Kit | NECTIN4 elisa kit

Human Nectin-4 PicoKine ELISA Kit

CATALOG #
AAA46702

REACTIVITY
Human

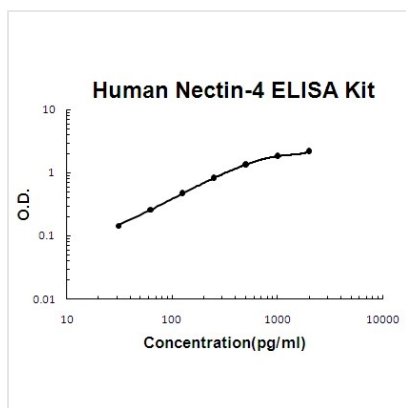
PRODUCT SYNONYMS

Nectin-4; Human Nectin-4 PicoKine ELISA Kit; EDSS1; Nectin 4; PRR4; pvr14; LNIR; Q96NY8; nectin cell adhesion molecule 4; NECTIN4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human Nectin-4
Sequence Length	510
Samples	Cell culture supernates, serum, plasma(heparin, EDTA), cell lysates, tissue homogenates and urine.
Assay Type	Sandwich
Detection Range	31.2pg/ml-2000pg/ml
Sensitivity	<10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice).

IMAGES



Standard Curve (Sample)

Human Nectin-4 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for NECTIN4 elisa kit	Principle of the Assay: Human Nectin-4 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for Nectin-4 has been precoated onto 96-well plates. Standards(Expression system for standard: NSO; Immunogen sequence: G32-S349) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for Nectin-4 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human Nectin-4 amount of sample captured in plate. Background/Introduction: Nectin-4, also known as PVRL4, is an adhesion receptor of the immunoglobulin superfamily and functions in cell-cell adhesion. This gene is mapped to chromosome 1q23.3. 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	222136611
NCBI GeneID	81607
NCBI Accession #	NP_112178.2
NCBI GenBank Nucleotide #	NM_030916.2
UniProt Accession #	Q96NY8; Q96K15; B4DQW3
Molecular Weight	24,341 Da
NCBI Official Full Name	nectin-4
NCBI Official Synonym Full Names	nectin cell adhesion molecule 4
NCBI Official Symbol	NECTIN4
NCBI Official Synonym Symbols	LNIR; PRR4; EDSS1; PVRL4; nectin-4
NCBI Protein Information	nectin-4
UniProt Protein Name	Nectin-4
UniProt Gene Name	NECTIN4
UniProt Entry Name	NECT4_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.