

Human P-Cadherin ELISA Kit | CDH3 elisa kit

Human P-Cadherin PicoKine ELISA Kit

CATALOG #
AAA45260

REACTIVITY
Human

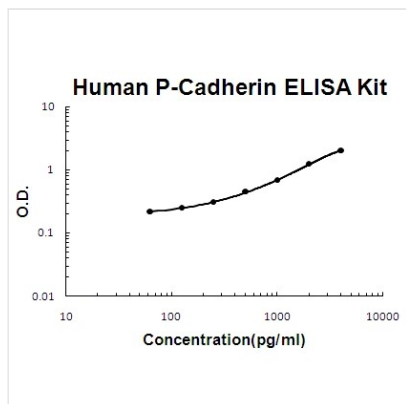
PRODUCT SYNONYMS

P-Cadherin; Human P-Cadherin PicoKine ELISA Kit; Cadherin-3; cadherin 3; type 1; P-cadherin (placental); AI385538; CADH3_HUMAN; Cadherin 3; Cadherin 3 precursor; Cadherin 3 type 1; Cadp; Calcium dependent adhesion protein placental; CDH 3; CDH3; CDH3 protein; CDHP; HJMD; P cadherin (placental); P-cadherin; PCAD; Placental cadherin; CDH3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human P-Cadherin
Sequence Length	829
Samples	Cell culture supernates and serum
Assay Type	Sandwich
Detection Range	62.5pg/ml-4000pg/ml
Sensitivity	< 2pg/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 P-Cadherin PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for CDH3 elisa kit	Principle of the assay: human P-Cadherin ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for P-Cadherin has been precoated onto 96-well plates. Standards(NSO,D108 - G654) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for P-Cadherin 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 P-Cadherin amount of sample captured in plate. Background: Cadherins are calcium-dependent cell-cell adhesion molecules that mediate cell-cell binding in a homophilic manner. They play an important role in the growth and development of cells via the mechanisms of control of tissue architecture and the maintenance of tissue integrity. Cadherin expression is regulated spatially as well as temporally. Cadherins are thought to play an important role in development and maintenance of tissues through selective cell-cell adhesion activity and may be involved also in the invasion and metastasis of malignant tumors. Cadherin regulates dendritic spine morphogenesis. A cadherin gene cluster is mapped to a region of chromosome 5 subject to frequent allelic loss in carcinoma. The standard product used in this kit is recombinant P-Cadherin with the molecular mass of 120-130Kda after glycosylation.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	146345382
NCBI GeneID	1001
UniProt Accession #	P22223; Q05DI6; B2R6F4
Molecular Weight	86,552 Da
NCBI Official Full Name	Cadherin-3
NCBI Official Synonym Full Names	cadherin 3, type 1, P-cadherin (placental)
NCBI Official Symbol	CDH3
NCBI Official Synonym Symbols	CDHP; HJMD; PCAD
NCBI Protein Information	cadherin-3; calcium-dependent adhesion protein, placental
UniProt Protein Name	Cadherin-3
UniProt Gene Name	CDH3
UniProt Synonym Gene Names	CDHP; P-cadherin
UniProt Entry Name	CADH3_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.