

Human Protocadherin 15 (PCDH15) ELISA Kit | PCDH15 elisa kit

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CATALOG #
AAA66358

REACTIVITY
Human

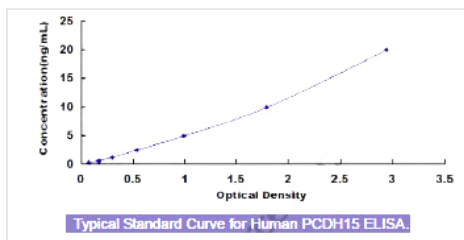
PRODUCT SYNONYMS

Protocadherin 15 (PCDH15); Human Protocadherin 15 (PCDH15) ELISA Kit; EPH-related receptor tyrosine kinase ligand 4; Ephrin-A4; EPLG4; LERK4; LERK-4; PCDH15 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PCDH15. No significant cross-reactivity or interference between PCDH15 and analogues was observed.
Sequence Length	1955
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.105ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PCDH15 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level PCDH15 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PCDH15 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PCDH15 in human tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PCDH15. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PCDH15. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain PCDH15, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of PCDH15 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	115387123
NCBI GeneID	65217
NCBI Accession #	NP_149045.3
NCBI GenBank Nucleotide #	NM_033056.3
UniProt Accession #	Q96QU1; Q5VY38; Q5VY39; Q6TRH8; Q8NDB9; Q96QT8; A6NL19; C6ZEF5; C6ZEF6; C6ZEF7
Molecular Weight	185,964 Da
NCBI Official Full Name	protocadherin-15 isoform CD1-4
NCBI Official Synonym Full Names	protocadherin related 15
NCBI Official Symbol	PCDH15
NCBI Official Synonym Symbols	USH1F; CDHR15; DFNB23
NCBI Protein Information	protocadherin-15
UniProt Protein Name	Protocadherin-15
UniProt Gene Name	PCDH15
UniProt Synonym Gene Names	USH1F

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.