

Mouse Cadherin-4/R-Cadherin ELISA Kit | CDH4 elisa kit

Mouse Cadherin-4/R-Cadherin PicoKine ELISA Kit

CATALOG #
AAA125300

REACTIVITY
Mouse

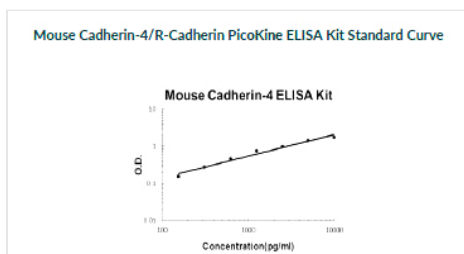
PRODUCT SYNONYMS

Cadherin-4/R-Cadherin; Mouse Cadherin-4/R-Cadherin PicoKine ELISA Kit; Mouse Cadherin-4/R-Cadherin; cadherin 4; Cadherin-4; Retinal cadherin; R-CAD; R-cadherin; Cdh4; CDH4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant Mouse Cdh4
Sequence Length	913
Samples	Cell culture supernates, serum and plasma (heparin, EDTA, citrate)
Detection Range	156pg/ml-10000pg/ml
Sensitivity	<50pg/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 across 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. Store at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CDH4 elisa kit	Principle of the Assay: The Picokine™ Mouse Cdh4 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Mouse Cdh4 with a 96-well strip plate that is pre-coated with antibody specific for Cdh4. The detection antibody is a biotinylated antibody specific for Cdh4. The capture antibody is a monoclonal antibody from rat, the detection antibody is a biotinylated polyclonal antibody from goat. The kit contains recombinant Mouse Cdh4 with immunogen: Expression system for standard: NSO, Immunogen sequence: D167-A731. The kit is analytically validated with ready to use reagents. To measure Mouse Cdh4, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly proportional to Mouse Cdh4 in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Mouse Cdh4 in the sample.!!Background/Introduction: Cadherin-4 is a protein that in humans is encoded by the CDH4 gene. It is mapped to 2 H4; 2 101.86 cM. This gene encodes a member of the cadherin family of calcium-dependent glycoproteins that mediate cell adhesion and regulate many morphogenetic events during development. The encoded preproprotein is further processed to generate a mature protein. The encoded protein is involved in retinal angiogenesis during development where it plays a crucial role in the endothelial-astrocyte interactions. Alternative splicing results in multiple transcript variants encoding different isoforms.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6753376
NCBI GeneID	12561
NCBI Accession #	NP_033997.1
NCBI GenBank Nucleotide #	NP_033997.1
UniProt Accession #	P39038
NCBI Official Full Name	cadherin-4 isoform 1 preproprotein
NCBI Official Synonym Full Names	cadherin 4
NCBI Official Symbol	Cdh4
NCBI Official Synonym Symbols	Rcad; R-CAD; R-Cadh; AW120700
NCBI Protein Information	cadherin-4
UniProt Protein Name	Cadherin-4
UniProt Gene Name	Cdh4
UniProt Synonym Gene Names	R-CAD; R-cadherin
UniProt Entry Name	CADH4_MOUSE

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.