

Rat Cadherin, Epithelial (CDHE) ELISA Kit | CDHE elisa kit

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CATALOG #
AAA64896

REACTIVITY
Rat

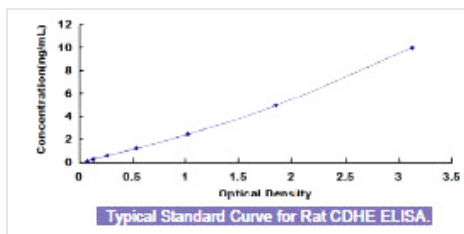
PRODUCT SYNONYMS

Cadherin; Epithelial (CDHE); Rat Cadherin; Epithelial (CDHE) ELISA Kit; CD324; CDH1; Arc1; ECAD; CDH-E; E-CAD; LCAM; UVO; Cadherin 1 Type 1; Uvomorulin; E-Cadherin; Calcium-Dependent Adhesion Protein; Epithelial; Liver Cell Adhesion Molecule; CDHE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of CDHE. No significant cross-reactivity or interference between CDHE and analogues was observed.
Sequence Length	886
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.079ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CDHE 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 CDHE 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 CDHE elisa kit	Intended Uses: This kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CDHE in rat serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CDHE. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CDHE. 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 CDHE, 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 CDHE 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 #	13786164
NCBI GeneID	83502
NCBI Accession #	NP_112624.1
NCBI GenBank Nucleotide #	NM_031334.1
UniProt Accession #	Q9R0T4; O35794; Q9JIV9
Molecular Weight	98,715 Da
NCBI Official Full Name	cadherin-1
NCBI Official Synonym Full Names	cadherin 1
NCBI Official Symbol	Cdh1
NCBI Protein Information	cadherin-1
UniProt Protein Name	Cadherin-1
UniProt Gene Name	Cdh1
UniProt Synonym Gene Names	E-cadherin

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.