

Rat cadherin 1, type 1, E-cadherin (epithelial) ELISA Kit | CDH1 elisa kit

Rat Epithelial-Cadherin, E-Cad ELISA Kit

CATALOG #
AAA80295

REACTIVITY
Rat

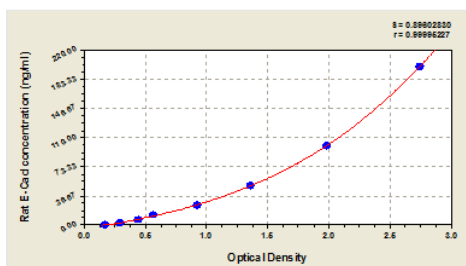
PRODUCT SYNONYMS

cadherin 1; type 1; E-cadherin (epithelial); Rat Epithelial-Cadherin; E-Cad ELISA Kit; Arc-1; CD324; CDHE; ECAD; LCAM; UVO; E-Cadherin; E-cadherin (epithelial) ; calcium-dependent adhesion protein; epithelial; cell-CAM 120/80; uvomorulin; CDH1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Rat CDH1. No significant cross-reactivity or interference between Rat CDH1 and analogues was observed.
Sequence Length	886
Samples	Serum, plasma, tissue homogenates, Cell lysates
Detection Range	3.12 ng/ml-200 ng/ml
Sensitivity	0.78 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Protein Biological Process 1	Cell Adhesion
Protein Biological Process 3	Cell adhesion
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CDH1 elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to E-Cad. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for E-Cad and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB (3,3',5,5' tetramethyl-benzidine) substrate solution is added to each well. Only those wells that contain E-Cad, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of E-Cad 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; E-cadherin; uvomorulin; epithelial cadherin
UniProt Protein Name	Cadherin-1
UniProt Gene Name	Cdh1
UniProt Synonym Gene Names	E-cadherin
UniProt Entry Name	CADH1_RAT

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.