

Rat E Cadherin ELISA Kit | CDH1 elisa kit

Rat E Cadherin ELISA Kit

CATALOG #
AAA263156

REACTIVITY
Rat

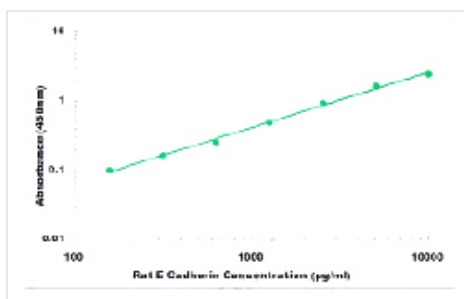
PRODUCT SYNONYMS

E Cadherin; Rat E Cadherin ELISA Kit; CDHE; UVO; Cadherin-1; CAM 120/80; Epithelial cadherin; E-cadherin; Uvomorulin; CD324; CDH1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	The Rat E Cadherin ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Rat E Cadherin proteins within the range of 156 pg/ml - 10000 pg/ml.
Sequence Length	886
Samples	Cell Culture Supernates, Serum, Plasma
Sensitivity	<15 pg/ml
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CDH1 elisa kit	Principle of the Assay: The Rat E Cadherin ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Rat E Cadherin in Cell Culture Supernates, Serum, Plasma. This assay employs an antibody specific for Rat E Cadherin coated on a 96-well plate. Standards and samples are pipetted into the wells and E Cadherin present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Rat E Cadherin antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of E Cadherin bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm. Background: Cadherin-1, also known as CAM 120/80 or epithelial cadherin (E-cadherin) or uvomorulin, is a protein that in humans is encoded by the CDH1 gene. E-cadherin is a Ca(2+)-dependent epithelial cell-cell adhesion molecule. Downregulation of E-cadherin expression often correlates with strong invasive potential and poor prognosis of human carcinomas. The gene spans a region of approximately 100 kb, and its location on chromosome 16q22.1. It contains 16 exons and a 65-kb-long intron 2. E-cadherin gene mutations may contribute to the development of diffusely growing gastric carcinomas. It plays a central part in the process of epithelial morphogenesis and acts as a strong invasion suppressor in experimental tumor cell systems. The standard product used in this kit is recombinant gene expression with the molecular mass of 120KDa.
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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
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.