

Mouse E-Cadherin ELISA Kit | CDH1 elisa kit

Mouse E-Cadherin PicoKine ELISA Kit

CATALOG #
AAA45294

REACTIVITY
Mouse

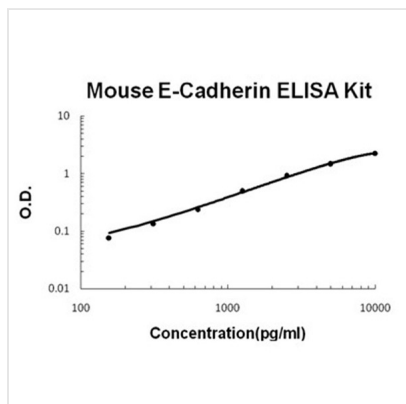
PRODUCT SYNONYMS

E-Cadherin; Mouse E-Cadherin PicoKine ELISA Kit; Cadherin-1; cadherin 1; type 1; E-cadherin (epithelial); Arc 1; Cadherin 1; cadherin 1 type 1 E-cadherin; Cadherin1; CAM 120/80; CD 234; CD324; CD324 antigen; CDH1; CDHE; ECAD; Epithelial cadherin; epithelial calcium dependant adhesion protein; LCAM; Liver cell adhesion molecule; UVO; Uvomorulin; CDH1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse E-Cadherin
Sequence Length	884
Samples	Cell culture supernates, serum and plasma (heparin)
Assay Type	Sandwich
Detection Range	156pg/ml-10,000pg/ml
Sensitivity	< 15pg/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 between 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, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Mouse E-Cadherin PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for CDH1 elisa kit	Principle of the assay: mouse E-Cadherin ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for E-Cadherin has been precoated onto 96-well plates. Standards(NSO, D157-V709) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for E-Cadherin is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the mouse E-Cadherin amount of sample captured in plate. Background: E-Cadherin, also called Cadherin 1(CDH1),Uvomorulin or calcium-dependent adhesion protein, epithelial. 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. E-cadherin plays a central part in the process of epithelial morphogenesis and acts as a strong invasion suppressor in experimental tumor cell systems.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	115419
NCBI GeneID	12550
UniProt Accession #	P09803; Q61377
Molecular Weight	98,256 Da
NCBI Official Full Name	Cadherin-1
NCBI Official Synonym Full Names	cadherin 1
NCBI Official Symbol	Cdh1
NCBI Official Synonym Symbols	Um; UVO; Ecad; E-cad; L-CAM; AA960649
NCBI Protein Information	cadherin-1; ARC-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_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.

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Online datasheet: <https://stage.aaabiotech.com/cdh1-mouse-elisa-kits/e-cadherin/45294>