

Canine Cadherin, Epithelial ELISA Kit | CDHE elisa kit

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CATALOG #
AAA91453

REACTIVITY
Canine

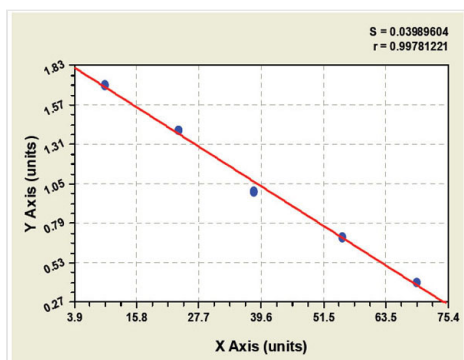
PRODUCT SYNONYMS

Cadherin; Epithelial; Canine Cadherin; Epithelial ELISA Kit; CDHE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CDHE elisa kit	For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate INTENDED USE This CDHE ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine CDHE. This ELISA kit for research use only! PRINCIPLE OF THE ASSAY CDHE ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CDHE antibody and an CDHE-HRP conjugate. The assay sample and buffer are incubated together with CDHE-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CDHE concentration since CDHE from samples and CDHE-HRP conjugate compete for the anti-CDHE antibody binding site. Since the number of sites is limited, as more sites are occupied by CDHE from the sample, fewer sites are left to bind CDHE-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CDHE concentration in each sample is interpolated from this standard curve.
Product Categories/Family for CDHE elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	119603649
NCBI GeneID	999
Molecular Weight	90,942 Da
NCBI Official Full Name	cadherin 1, type 1, E-cadherin (epithelial), isoform CRA_b
NCBI Official Synonym Full Names	cadherin 1, type 1, E-cadherin (epithelial)
NCBI Official Symbol	CDH1
NCBI Official Synonym Symbols	UVO; CDHE; ECAD; LCAM; Arc-1; CD324
NCBI Protein Information	cadherin-1; CAM 120/80; E-Cadherin; uvomorulin; cell-CAM 120/80; epithelial cadherin; cadherin 1, E-cadherin (epithelial); calcium-dependent adhesion protein, epithelial
UniProt Protein Name	Cadherin-1
UniProt Gene Name	CDH1
UniProt Synonym Gene Names	CDHE; UVO; E-cadherin
UniProt Entry Name	CADH1_HUMAN

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.