

Datasheet for ABIN6720379

E-cadherin ELISA Kit**1** Image[Go to Product page](#)

Overview

Quantity:	1 kit
Target:	E-cadherin (CDH1)
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	156 pg/mL - 10000 pg/mL
Minimum Detection Limit:	156 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (heparin), Saliva, Serum, Urine
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: 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</p> <p>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</p>

Product Details

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. The standard product used in this kit is recombinant gene expression with the molecular mass of 120KDa.

Gene Name: CDH1

Production: Natural and recombinant human E-Cadherin. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: D155-I707

Target Details

Target:	E-cadherin (CDH1)
Alternative Name:	E-Cadherin (CDH1 Products)
Gene ID:	999
NCBI Accession:	NP_001304113
UniProt:	P12830
Pathways:	WNT Signaling , Sensory Perception of Sound , Cell-Cell Junction Organization , Tube Formation

Application Details

Application Notes: Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 10000pg/mL, 5000pg/mL, 2500pg/mL, 1250pg/mL, 625pg/mL, 313pg/mL, 156pg/mL human E-Cadherin standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates, serum, plasma(heparin), saliva or urine to each empty well. We recommend that each human E-Cadherin standard solution and each sample is measured in duplicate.

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 156pg/mL-10000pg/mL

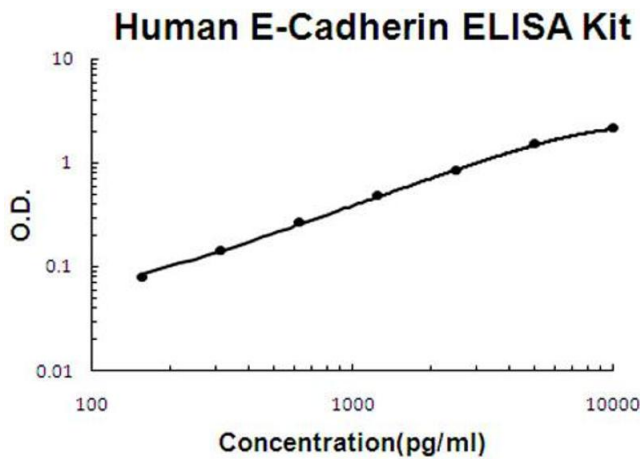
Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage: RT, 4 °C, -20 °C

Storage Comment: Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

Images



ELISA

Image 1. Human E-Cadherin Accusignal ELISA Kit Human E-Cadherin AccuSignal ELISA Kit standard curve. Assay Range: 156pg/ml-10000pg/ml. Sensitivity: <15pg/ml.