

Datasheet for ABIN6720304 **E-cadherin ELISA Kit**

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Overview

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

Product Details

Purpose:	Rat E-Cadherin Sandwich ELISA Kit for Quantitative Detection
Brand:	AccuSignal™
Sample Type:	Cell Culture Supernatant, Plasma (heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Production: Natural and recombinant rat E-Cadherin. There is no detectable cross-reactivity with other relevant proteins.
Sensitivity:	< 15 pg/mL
Components:	• Antibody-coated 96-well plate • Target Protein Standard • Detection antibody

Product Details

- Detection reagent
- Diluent buffers
- Wash buffers
- Substrate Solution
- Stop solutions
- Adhesive covers

Target Details

Target:	E-cadherin (CDH1)
Alternative Name:	E-Cadherin (CDH1 Products)
Background:	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 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.
Gene ID:	83502
NCBI Accession:	NP_112624
UniProt:	Q9R0T4
Pathways:	WNT Signaling , Sensory Perception of Sound , Cell-Cell Junction Organization , Tube Formation

Application Details

Application Notes:	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, 312pg/mL, 156pg/mL rat 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 rat cell
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Application Details

	culture supernates, serum or plasma(heparin) to each empty well. It is recommended that each rat E-Cadherin standard solution and each sample be measured in duplicate.
Comment:	Standard: Expression system for standard: NSO, Immunogen sequence: Q24-S704
Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	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.
Expiry Date:	12 months