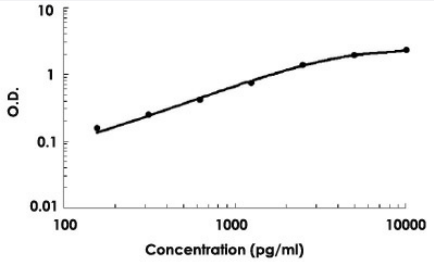
CDH1 (Human) ELISA Kit

Catalog # KA0433 Size 1 Kit

Applications



The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Specification

Product Description	CDH1 (Human) ELISA Kit is a sandwich enzyme immunoassay for the quantitative measurement of human CDH1.
Suitable Sample	Cell Culture Supernatant, Plasma (Heparin), Serum, Saliva, Urine
Sample Volume	100 uL
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	156 to 10000 pg/mL
Reactivity	Human
Regulation Status	For research use only (RUO)
Quality Control Testing	Standard curve The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.
Storage Instruction	Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles.

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Applications

- Quantification

Gene Info — CDH1

Entrez GeneID	999
Gene Name	CDH1
Gene Alias	Arc-1, CD324, CDHE, ECAD, LCAM, UVO
Gene Description	cadherin 1, type 1, E-cadherin (epithelial)
Omim ID	137215 192090
Gene Ontology	Hyperlink
Gene Summary	This gene is a classical cadherin from the cadherin superfamily. The encoded protein is a calcium dependent cell-cell adhesion glycoprotein comprised of five extracellular cadherin repeats, a trans membrane region and a highly conserved cytoplasmic tail. Mutations in this gene are correlated w ith gastric, breast, colorectal, thyroid and ovarian cancer. Loss of function is thought to contribute t o progression in cancer by increasing proliferation, invasion, and/or metastasis. The ectodomain of this protein mediates bacterial adhesion to mammalian cells and the cytoplasmic domain is re quired for internalization. Identified transcript variants arise from mutation at consensus splice site s. [provided by RefSeq
Other Designations	cadherin 1, E-cadherin (epithelial)|cadherin 1, type 1|calcium-dependent adhesion protein, epithel ial|cell-CAM 120/80|uvomorulin

Publication Reference

- Tripterygium glycoside suppresses epithelial-to-mesenchymal transition of diabetic kidney disease podocytes by targeting autophagy through the mTOR/Twist1 pathway.

  Mei Tao, Danna Zheng, Xudong Liang, Diandian Wu, Kang Hu, Juan Jin, Qiang He.

  Molecular MedicineRreports 2021 Aug; 24(2):592.

  Application : Quant, Human, Human serum

- Cadherin expression, vectorial active transport, and metallothionein isoform 3 mediated EMT/MET responses in cultured primary and immortalized human proximal tubule cells.

  Andrea Slusser, Chandra S Bathula, Donald A Sens, Seema Somji, Mary Ann Sens, Xu Dong Zhou, Scott H Garrett

  PLoS One 2015 Mar; 10(3):e0120132.

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- The transcription factor snail is a repressor of E-cadherin gene expression in epithelial tumour cells.

  Batlle E, Sancho E, Franci C, Dominguez D, Monfar M, Baulida J, Garcia De Herreros A.

  Nature Cell Biology 2000 Feb; 2(2):84.

- Cloning and characterization of the human invasion suppressor gene E-cadherin (CDH1).

  Berx G, Staes K, van Hengel J, Molemans F, Bussemakers MJ, van Bokhoven A, van Roy F.

  Genomics 1995 Mar; 26(2):281.

- E-cadherin gene mutations provide clues to diffuse type gastric carcinomas.

  Becker KF, Atkinson MJ, Reich U, Becker I, Nekarda H, Siewert JR, Hofler H.

  Cancer Research 1994 Jul; 54(14):3845.

Pathway

- Adherens junction
- Bladder cancer
- Cell adhesion molecules (CAMs)
- Endometrial cancer
- Melanoma
- Pathogenic Escherichia coli infection - EHEC
- Pathways in cancer
- Thyroid cancer

Disease

- Adenocarcinoma
- Asthma
- Breast cancer
- Breast Neoplasms
- Bronchiolitis

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- Carcinoma
- Cleft Lip
- Cleft Palate
- Colitis
- Colorectal Neoplasms
- Crohn Disease
- Disease Progression
- Esophageal Neoplasms
- Genetic Predisposition to Disease
- Glaucoma
- Head and Neck Neoplasms
- Helicobacter Infections
- Hepatitis B
- Infant
- Kidney Neoplasms
- Laryngeal Neoplasms
- Leiomyoma
- Liver Neoplasms
- Low Tension Glaucoma
- Lung Neoplasms
- Lymphatic Metastasis
- Meningeal Neoplasms
- Meningioma
- Mouth Neoplasms
- Nasopharyngeal Neoplasms
- Neoplasm Invasiveness

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- Neoplasm Metastasis
- Neoplasm Recurrence
- Neoplasms
- Neoplastic Syndromes
- Obesity
- Ocular Hypertension
- Ovarian cancer
- Ovarian Neoplasms
- Pancreatic cancer
- Pancreatic Neoplasms
- Pharyngeal Neoplasms
- Prostate cancer
- Prostatic Hyperplasia
- Prostatic Neoplasms
- Pulmonary Disease
- Respiratory Syncytial Virus Infections
- Stomach Neoplasms
- Tooth Abnormalities
- Ureteral Neoplasms
- Urinary Bladder Neoplasms
- Urinary Calculi
- Urologic Neoplasms
- Uterine Neoplasms
- Werner syndrome

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