

产品名称: CDH1 Mouse Monoclonal Antibody  
产品货号: AMM82609



## 产品概述 (Summary)

|                        |                                |
|------------------------|--------------------------------|
| 产品名称 (Production Name) | CDH1 Mouse Monoclonal Antibody |
| 描述 (Description)       | Mouse monoclonal Antibody      |
| 宿主 (Host)              | Mouse                          |
| 应用 (Application)       | WB,IHC,ICC,ELISA,FC            |
| 种属反应性 (Reactivity)     | Human, Mouse, Rat              |

## 产品性能 (Performance)

|                     |                                                                                          |
|---------------------|------------------------------------------------------------------------------------------|
| 偶联物 (Conjugation)   | Unconjugated                                                                             |
| 修饰 (Modification)   | Unmodified                                                                               |
| 同种型 (Isotype)       | Mouse IgG1                                                                               |
| 克隆 (Clonality)      | Monoclonal                                                                               |
| 形式 (Form)           | Liquid                                                                                   |
| 存放说明 (Storage)      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| 储存溶液 (Buffer)       | Purified antibody in PBS with 0.05% sodium azide                                         |
| 纯化方式 (Purification) | Affinity Purification                                                                    |

## 免疫原信息 (Immunogen)

|                        |                                                                                              |
|------------------------|----------------------------------------------------------------------------------------------|
| 基因名 (Gene Name)        | CDH1                                                                                         |
| 别名 (Alternative Names) | UVO; CDHE; ECAD; LCAM; Arc-1; BCDS1; CD324; E-cadherin; E cadherin                           |
| 基因 ID (Gene ID)        | 999.0                                                                                        |
| 蛋白 ID (SwissProt ID)   | P12830.Purified recombinant fragment of human CDH1 (AA:extra(155-354)) expressed in E. Coli. |

## 产品应用 (Application)

|                          |                                                                                       |
|--------------------------|---------------------------------------------------------------------------------------|
| 稀释比 (Dilution Ratio)     | WB 1:500-1:2000,IHC 1:200-1:1000,ICC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400 |
| 蛋白分子量 (Molecular Weight) | 97.5kDa                                                                               |

## 研究背景 (Background)

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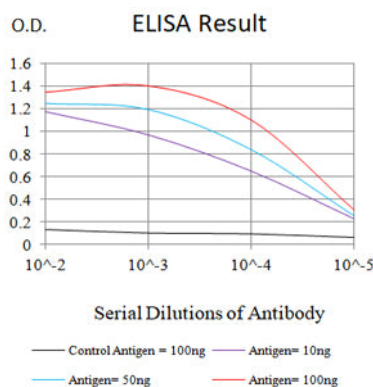


This gene encodes a classical cadherin of the cadherin superfamily. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate the mature glycoprotein. This calcium-dependent cell-cell adhesion protein is comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. Mutations in this gene are correlated with gastric, breast, colorectal, thyroid and ovarian cancer. Loss of function of this gene is thought to contribute to cancer progression by increasing proliferation, invasion, and/or metastasis. The ectodomain of this protein mediates bacterial adhesion to mammalian cells and the cytoplasmic domain is required for internalization. This gene is present in a gene cluster with other members of the cadherin family on chromosome 16.

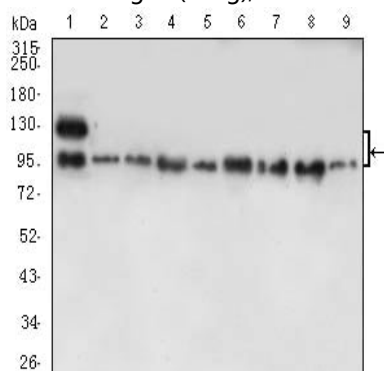
## 研究领域 (Research Area)

TGF-beta signaling pathway

## 图片 (Image Data)

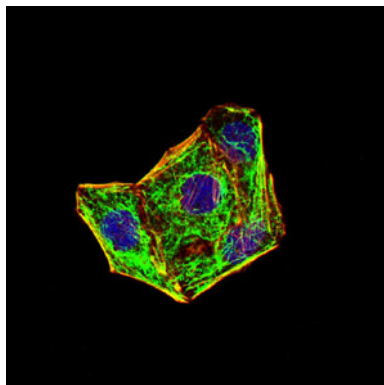


Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)

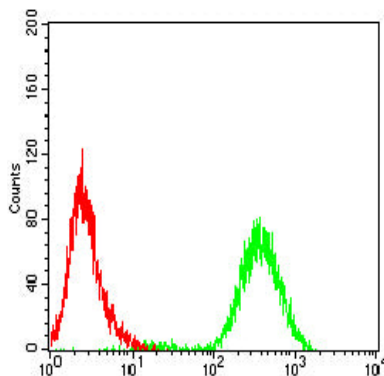


Western blot analysis using CDH1 mouse mAb against PC-3 (1), A431 (2), MCF-7 (3), HT-29 (4), HePG2 (5), C6 (6), A549 (7), NIH/3T3 (8), and C2C12 (9) cell lysate.

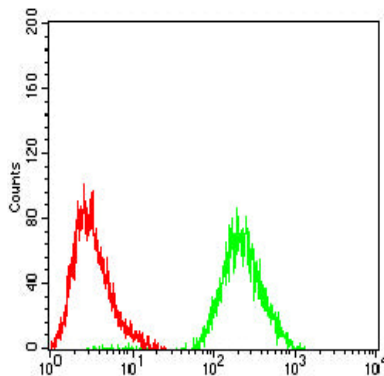
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Immunofluorescence analysis of HeLa cells using CDH1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

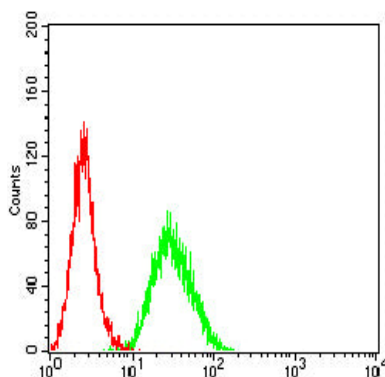


Flow cytometric analysis of HeLa cells using CDH1 mouse mAb (green) and negative control (red).

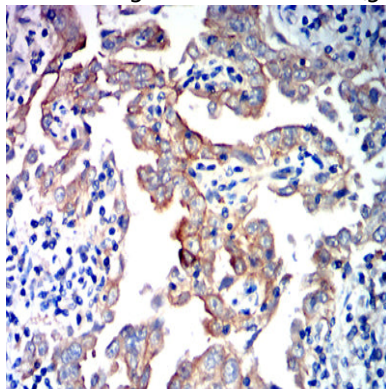


Flow cytometric analysis of HepG2 cells using CDH1 mouse mAb (green) and negative control (red).

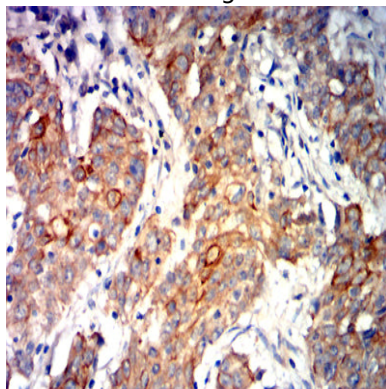
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Flow cytometric analysis of HT-29 cells using CDH1 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human endometrial cancer tissues using CDH1 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissues using CDH1 mouse mAb with DAB staining.

## 注意事项 (Note)

For research use only .