

CDH1 monoclonal antibody

Catalog: MB23084

Host: Mouse

Reactivity: Human

BackGround:

This gene encodes a classical cadherin of the cadherin superfamily. Alternative splicing results in multiple transcript variants, at least one of which encodes a prepro-protein 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.

Product:

Purified antibody in PBS with 0.05% sodium azide

Molecular Weight:

97.5kDa

Swiss-Prot:

P12830

Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB:1/500 - 1/2000 IHC:1/200 - 1/1000 FC:1/200 - 1/400

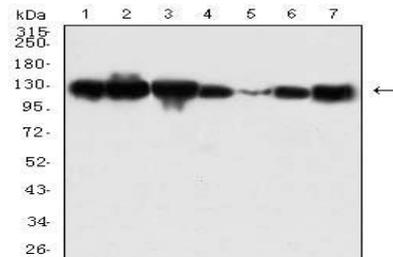
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

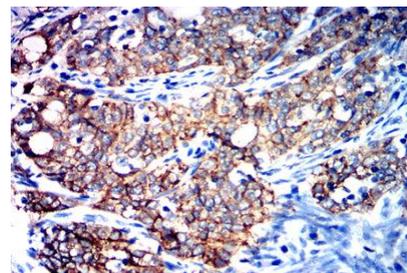
Isotype:

Mouse IgG1

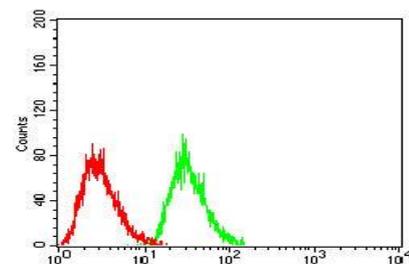
DATA:



Western blot analysis using CDH1 mouse mAb against A431 (1), LNCap (2), HT-29 (3), PC-3 (4), A549 (5), DU145 (6), and T47D (7) cell lysate.



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



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

Note:

For research use only, not for use in diagnostic procedure.

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