

E-cadherin Monoclonal Antibody

Description

Product type	Primary Antibody
Code	BT-MCA0453
Host	Mouse
Isotype	IgG
Size	50ul, 100ul
Immunogen	Purified recombinant fragment of human E-cadherin expressed in E. Coli.
Mol wt	N/A
Species reactivity	Human,Mouse,Monkey
Clonality	Monoclonal
Recommended application	WB, IHC-p, IF, FCM, ELISA
Concentration	1 mg/ml
Full name	Cadherin-1
Synonyms	CDH1; CDHE; UVO; Cadherin-1; CAM 120; 80; Epithelial cadherin; E-cadherin; Uvomorulin; CD antigen CD324

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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 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.

Recommended Dilution

ELISA: 1:10000

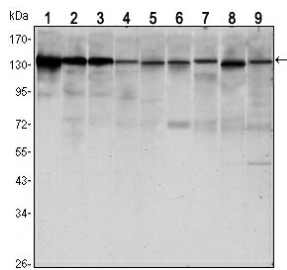
FC: 1:200 - 1:400

IHC: 1:200 - 1:1000

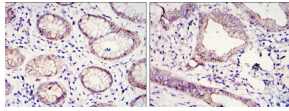
WB: 1:500 - 1:2000

Not yet tested in other applications.

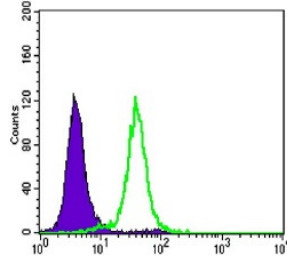
Images



Western Blot analysis using E-cadherin Monoclonal antibody against LNCAP (1)A431 (2) DU145 (3) PC-3 (4) MCF-7 (5) PC-12 (6) NIH/3T3 (7) C6 (8) and COS7 (9) cell lysate.



Immunohistochemistry analysis of paraffin-embedded gastric cancer tissues (left) and lung cancer tissues (right) with DAB staining using E-cadherin Monoclonal antibody.



Flow cytometric analysis of HeLa cells using E-cadherin Monoclonal antibody (green) and negative control (purple).

Storage

-20°C for one year

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