E-cadherin Mouse mAb (AM10010)

Key Features

Host Species:	Mouse
Reactivity:	Human,Mouse,Monkey
Applications:	WB,IHC,IF,FC,ELISA
MW:	125-130kD (Observed)

Recommended Dilution Ratios

IHC:	1:200-1000
WB:	1:500-2000
Flow Cyt:	1:200-400
ELISA:	1:10000
IF:	1:50-200

Storage

-15°C to -25°C/1 year (Do not lower than -25°C)

Basic Information

Clonality	Monoclonal

Immunogen Information

Specificity	E-cadherin Monoclonal Antibody detects endogenous levels of E-cadherin protein.

Target Information

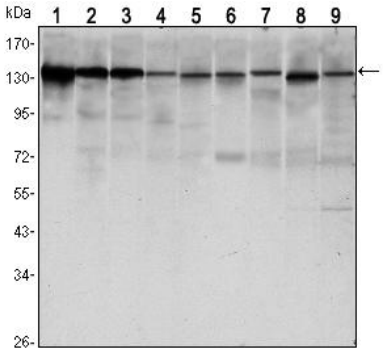
Gene name	CDH1
Protein Name	Cadherin-1

Organism	Gene ID	UniProt ID
Human	999	P12830
Mouse	12550	P09803

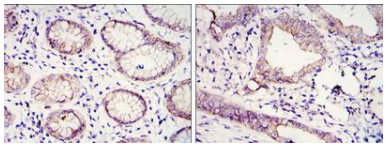
Cellular Localization	Cell junction, adherens junction. Cell membrane; Single-pass type I membrane protein. Endosome. Golgi apparatus, trans-Golgi network. Colocalizes with DLGAP5 at sites of cell cell contact in intestinal epithelial cells. Anchored to actin microfilaments through association with alpha-, beta- and gamma-catenin. Sequential proteolysis induced by apoptosis or calcium influx, results in translocation from sites of cell-cell contact to the cytoplasm.

	Colocalizes with RAB11A endosomes during its transport from the Golgi apparatus to the plasma membrane.
Tissue specificity	Non-neural epithelial tissues.

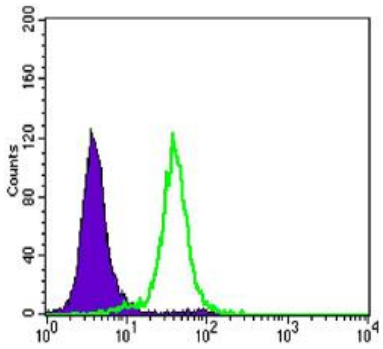
Validation Data



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).

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