

## Mouse Monoclonal anti-E-Cadherin, Clone GM016

60-0028; 60-0028-7	6 mL; 7 mL predilute Antibody, Ready-To-Use
61-0028; 61-0028-2; 61-0028-5	1 mL; 0.2 mL; 0.5 mL Concentrate Antibody
Isotype	IgG1
Concentration	See container label

### Intended Use

For In Vitro Diagnostic Use.

This product is used to qualitatively detect E-Cadherin in normal and neoplastic formalin fixed, paraffin embedded (FFPE) tissue sections in immunohistochemical (IHC) detection methodology. Interpretation must be made within the context of the patient's clinical history and other diagnostic test by a qualified pathologist.

### Description

E-Cadherin is an adhesion protein that is expressed in epithelial cells and concentrated in cell-cell adheren junctions. Down-regulation of E-Cadherin expression has been observed in a number of carcinomas and is usually associated with advanced stage and progression. Detection of E-Cadherin expression is useful in distinguishing adenocarcinoma from mesothelioma, the differentiation of ductal from lobular breast cancer.

### Reagent provided

This antibody is diluted in 10 mM phosphate buffered saline (PBS), pH 7.2 containing 1% bovine serum albumin (BSA) and 0.09% sodium azide (NaN<sub>3</sub>) as antimicrobial agent.

### Precautions

For professional users.

Proper handling of this product as with any product derived from biological sources according to local and applicable regulations.

Sodium azide (NaN<sub>3</sub>) is a toxic chemical. The concentration in this product is not classified as hazardous, however, the build-ups of NaN<sub>3</sub> may react with lead and copper plumbing to form highly explosive metal azides. Flush the disposed reagent with large volume of water to prevent azide build-up.

### Usage

#### Dilution

60-0028; 60-0028-7: Ready-To-Use

61-0028; 61-0028-2; 61-0028-5: Dilute 1:50-100 before use when using Acu-Stain™ detection system. Optimum dilution factor may vary depending on the specimen and preparation process and should be determined by each individual investigator.

#### Staining procedure

Incubate this antibody with tissue section for 30-60 minutes at room temperature. Follow the instructions from the selected detection system.

#### Positive control tissue

Esophagus, Endometrium

#### Epitope retrieval

HIER, Citrate Buffer pH 6

#### Staining pattern

Membrane and some cytoplasm

### Storage

Store at 2-8°C.

### References

1. Shiozaki H, et al. Am J Pathol 1991; 139:17
2. Heimann R, et al. Canc Res 2000; 60:298
3. Gabbert H, et al. Int J Cancer 1996; 69:184

### Symbols



Catalog No.



Batch No.



In Vitro Diagnostic Use



Temperature Range



Use By

