

## Mouse Monoclonal anti N-Cadherin, Clone GM031

60-0187-7	7 mL predilute Antibody, Ready-To-Use
61-0187; 61-0187-2; 61-0187-5	1 mL; 0.2mL; 0.5mL Concentrate Antibody
Isotype	IgG1
Concentration	See container label

### Intended Use

For In Vitro Diagnostic Use.

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

### Description

N-Cadherin is a 140 kD protein. The function of N-Cadherin is dependent on its association with the actin-cytoskeleton, which is mediated through interactions between C-terminal region of N-Cadherin and cytoplasmic catenin proteins. The stability of this association is regulated by phosphorylation and de-phosphorylation of  $\beta$ -catenin.

### 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 ( $\text{NaN}_3$ ) 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 is a toxic chemical. The concentration in this product is not classified as hazardous, however, the build-ups of  $\text{NaN}_3$  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

60-0187-7: Ready-To-Use  
61-0187; 61-0187-2; 61-0187-5: Dilute 1:100-200 before use when using Power-Stain™ or 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

Gastric

#### Epitope retrieval

HIER, Tris EDTA buffer, pH 9

#### Staining pattern

Membrane and cytoplasm

### Storage

Store at 2-8°C.

### References

1. Abutaily AS, et al. J Clin Pathol. 2002. 55:662-668.
2. Felix B, et al. BMC Clinical Pathology. 2012. 12:19.
3. Wallis J, et al. Genomics. 1994. Jul 1; 22(1):172-9.

### Symbols

				
Catalog No.	Batch No.	In Vitro Diagnostic Use	Temperature Range	Use By

31698 Rev. 00