

## Mouse anti-MLH1 Antibody, Clone GM011

60-0079; 60-0079-7	6 mL; 7 mL predilute Antibody, Ready-To-Use
61-0079; 61-0079-2; 61-0079-5	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 MLH1 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

MLH1 is deficient in a high proportion of patients with microsatellite instability (MSI-H). It has been shown that immunohistochemical analysis of MLH1 expression is a practical and reliable method for the routine detection of the vast majority of colorectal carcinomas with high-frequency MSI, which are frequently identified in hereditary nonpolyposis cancer (HNPCC) and are account for 15% of sporadic colorectal cancer. MLH1 negative tumors maybe associated with a longer disease-free survival.

### 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 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

60-0079; 60-0079-7: Ready-To-Use

61-0079; 61-0079-2; 61-0079-5: 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

Colon

#### Epitope retrieval

HIER, Tris Buffer pH 9

#### Staining pattern

Nuclear

### Storage

Store at 2-8°C.

### References

1. Bronner CE, et al. Nature. 1994 Mar 17;368(6468):258-61
2. Lanza G, et al. Mod Pathol. 2002 Jul;15(7):741-9.
3. Marcus VA, et al. Am J Surg Pathol. 1999 Oct;23(10):1248-55.

### Symbols

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