

## Mouse Monoclonal anti-MSH2

60-0046 6 mL predilute Antibody, Ready-To-Use  
Clone: FE11  
Isotype: IgG1  
Concentration: See container label

### Intended Use

For In Vitro Diagnostic Use.

This product is used to qualitatively detect MSH2 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

Human MSH2 is involved in DNA mismatch repair. Defects in this system cause elevated spontaneous mutation rates and increase instability of DNA microsatellite repetitive sequences expressed (MSI). Mutations in the human MLH gene contribute to the development of sporadic colorectal carcinoma known as Hereditary Non-Polyposis Colon Cancer (HNPCC) and some other both hereditary and sporadic forms of human cancer. The anti-MSH2 antibody is useful in screening patients and families for this condition. Colon cancers that are microsatellite unstable have a better prognosis than their microsatellite stable counterparts.

### 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 ( $\text{NaN}_3$ ) 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

60-0046: Ready-To-Use

#### 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

Tonsil or Colon Cancer

#### Epitope retrieval:

HIER, Tris EDTA pH 9

#### Staining pattern

Nucleus

### Storage

Store at 2-8°C.

### References

1. Bronner C, et al. Nature 1994;368:258-61
2. Marcus V et al. Am J Surg Pathol. 1999;23:1248-1255
3. Chiaravalli A, et al. Virchows Arch. 2001;438:39-48

### Symbols



Catalog No.



Batch No.



In Vitro Diagnostic Use



Temperature Range



Use By

