

**Mouse Monoclonal anti-MSH6, Clone GM024**

60-0158-7	7 mL predilute Antibody, Ready-To-Use
61-0158; 61-0158-2; 61-0158-5	1 mL; 0.2 mL; 0.5 mL Concentrate Antibody
Isotype	IgG2a
Concentration	See container label

**Intended Use**

For In Vitro Diagnostic Use.

This product is used to qualitatively detect MSH6 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**

MSH6 (MutS homologue 6 protein) is a member of the MutS homolog family (including MSH2, MSH6, PMS2 and MLH1) which is required in the DNA mismatch repair. MutS is used by normal proliferating cells to repair mutations that may occur during DNA replication. The examination of MutS protein level including MSH6 by IHC (immunohistochemistry) is a simple method to assess microsatellite instability in colon cancer and in hereditary non-polyposis colorectal carcinoma (HNPCC) - associated tumors, such as endometrial cancer and prostate 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 ( $\text{NaN}_3$ ) 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**

60-0158-7: Ready-To-Use

61-0158; 61-0158-2; 61-0158-5: 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 Cancer

**Epitope retrieval**

HIER, Tris pH 9

**Staining pattern**

Nucleus

**Storage**

Store at 2-8°C.

**References**

1. Shia J. J Mol Diagn 2008, 10:293-300.
2. Hall G, et al. Pathology. 2010 Aug; 42(5):409-413.
3. Kohlmann W & Gruber SB. (2004). GeneReviews Seattle, WA: University of Washington.

**Symbols**

Catalog No.



Batch No.



In Vitro Diagnostic Use



Temperature Range



Use By

31324 Rev. 00



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