

Mouse Monoclonal anti-Ki-67, Clone GM010

60-0078; 60-0078-7 6 mL; 7 mL predilute Antibody, Ready-To-Use
 61-0078; 61-0078-2; 61-0078-5 1 mL; 0.2 mL; 0.5 mL Concentrate Antibody
 Isotype IgG2b
 Concentration See container label

Intended Use

For In Vitro Diagnostic Use.

This product is used to qualitatively detect Ki-67 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

The antibody labels Ki-67, a proliferation-associated nuclear protein expressed during all active phases of the cell cycle. Quantitative determination of the fraction of cells which stain positive for the Ki-67 nuclear antigen has been demonstrated to be a highly accurate way of assessing the fraction of proliferating cells within a given tissue. Estimation of the cell proliferation index in tumor cells is valuable as a prognostic indicator.

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 (NaN₃) 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 NaN₃ 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

60-0078; 60-0078-7: Ready-To-Use
 61-0078; 61-0078-2; 61-0078-5: Dilute 1:50 to 1:100 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

Tonsil

Epitope retrieval

HIER, Citrate pH 6.0

Staining pattern

Nucleus

Storage

Store at 2-8°C.

References

1. Gerdes J, et al. Hematol Oncol. 1984 Oct-Dec;2(4):365-71.
2. Gerdes J, et al. J Immunol. 1984 Oct;133(4):1710-5

Symbols

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