

Monoclonal (mouse) Antibody to Ki-67 ANTIGEN

Technical Data Sheet

Reagent Category

Monoclonal primary antibody to Ki-67 antigen

ITEM#: IMI25961E (Ready-To-Use)

ITEM#: IMI25952E (Concentrate)

Antibody Formats Supplied

- 5 ml of anti Ki-67 antigen, Ready-To-Use
- 0.5 ml of anti Ki-67 antigen, Concentrate

SOURCE: Mouse

IMMUNOGLOBULIN ISOTYPE: IgG1

IMMUNOGEN: Recombinant peptides

CLONE: Pool

REACTIVITY

Ki-67 is a cell proliferation antigen that is found throughout the different phases of cell cycle such as G1, S, G2 and M phase, however, Ki-67 is absent in resting cells (G0 phase). This Ki-67 monoclonal antibody reacts with nuclear antigen of 345-395 kD present in proliferating cells. This antibody recognizes the cellular Ki-67 antigen as well as the recombinant fragments of Ki-67. This antibody is suitable for use on routinely fixed paraffin embedded and frozen sections and it is compatible with formalin fixed tissues.

POSITIVE CONTROL TISSUE: Lymphoma/ Tonsil

STAINING PATTERN: Nuclear and nucleolar

Antibody FORMAT, DILUTION and INCUBATION

This affinity purified monoclonal Ki-67 antibody is provided in phosphate buffered saline pH 7.2 containing bovine serum albumin (BSA) and 0.05% sodium azide.

5 ml of pre-titered, Ready-To-Use; Do not dilute. Incubate for 30 minutes to one hour.

The above dilutions and incubation times were derived by the use of Innovex STAT-Q detection system. For less sensitive detection systems these dilution factors may vary and they should be determined by the end user for specific detection system employed

0.5 ml of concentrated. The guideline for starting dilution range may vary from 1:20 to 1:50. The dilution factor must be determined by the end user for the secondary reagent and protocol employed.

SPECIAL USAGE GUIDANCE

No pre-treatment is necessary, however, the use of Innovex Signal Enhancing wash buffer in place of PBS or Tris buffer for the rinsing steps (Item#: IMI00396E for Immuno-Peroxidase staining and Item#: IMI00596E for Immuno-Alkaline-phosphatase) is highly recommended. The use of Enhancing wash buffer greatly enhances staining signals even on antigenically weak tissues or for over fixed tissues

APPLICATIONS

This antibody is intended for use in immunolocalization of Ki-67 antigens in human or animal tissue by a variety of immunoassays such as Immunocytochemistry, fluorescent labeling, ELISA, Immunoblotting and dot blotting. In immunocytochemistry, this antibody can be used in staining routinely fixed paraffin embedded or frozen histological sections for the purpose of qualitative localization of Ki-67 antigens. This antibody can also be used for quantitative flow cytometric assays in the indirect method.

SPECIES REACTIVITY

This antibody reactivity with human has been substantiated; other species reactivity may be characterized by the end user.

STORAGE CONDITIONS

Store in refrigerator at 2-8°C through the noted expiration date on the vial label.

IMPORTANT NOTE:

The interpretation of test results is the sole responsibility of the end user.

FOR IN VITRO RESEARCH USE ONLY

FOR ADDITIONAL TECHNICAL SUPPORT:



American MasterTech
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POST OFFICE BOX 2539 LODI, CALIFORNIA 95241 TELEPHONE: 1 (800) 860 4073 FACSIMILE: 1 (209) 368 4136