



Monoclonal Antibody to **Beta-Tubulin**

Technical Data Sheet

Reagent Category

Monoclonal primary antibody to
Beta-Tubulin

Antibody Formats Supplied

- 7 ml of Beta-Tubulin, Ready-To-Use
- 0.2 ml of Beta-Tubulin, Concentrate

PRODUCT# IMI31161E (Ready-To-Use)

PRODUCT# IMI31152E (Concentrate)

SOURCE: Mouse Ascites Fluid

IMMUNOGLOBULIN ISOTYPE: IgG1

CLONE: TUB 2.1

POSITIVE CONTROL TISSUE: Lung

REACTIVITY

This antibody recognizes and reacts with Beta-Tubulin, a sub unit of Tubulin, the major building block of microtubules. Microtubules function as intracellular transport and in the cytoskeleton. Alpha-Tubulin has a molecular weight of 55,000 and it is used in the study of intracellular organization and distribution of tubulin of the cytoskeleton. This antibody is suitable for use on routinely fixed paraffin embedded and frozen sections. This antibody is compatible with formalin fixative as well as most commonly used histological fixatives.

Antibody FORMATS, DILUTIONS and INCUBATIONS

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

7 ml of Ready-to-Use, Do not dilute. Incubate for 30 minutes. This antibody best stains when formalin fixed paraffin embedded sections are retrieved.

For Background-Free, gentle retrieval, Innovex Uni-Trieve (60°-70°C) universal retrieval solution is highly recommended. To retrieve with Uni-Trieve: Warm up water bath to 60°-70°C and fill a slide holding container with Uni-Trieve solution. Place slides in a slide rack and immerse slides in a vessel or a coplin jar containing Uni-Trieve solution, bring the solution and slides to 60°-70°C and let slides incubate at 60°-70°C for 30 minutes. Rinse slides with 2 quick changes of water; No cooling period is required. Proceed with immunostaining.

0.2 ml of concentrate; For 30 minute, dilute 1: 50-1:100, the dilution factors are mere guidelines, the working titer must be determined by the end user for the staining reagents and specimen employed. This antibody best stains when formalin fixed paraffin embedded sections are retrieved.

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APPLICATIONS

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

SPECIES REACTIVITY

This antibody reactivity with human, mouse and rat has been substantiated, other species reactivity may be characterized by the end user.

STORAGE CONDITIONS

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

IMPORTANT NOTE:

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

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