



Monoclonal Antibody to Melanoma (HMB45)

Technical Data Sheet

Reagent Category

Monoclonal primary antibody to
melanoma HMB45

Antibody Formats Supplied

- 7 ml of anti HMB45, Ready-To-Use
- 0.2 ml of anti HMB45, Concentrate

PRODUCT# IMI24961E (Ready-To-Use)

PRODUCT# IMI24952E (Concentrate)

SOURCE: Mouse

IMMUNOGLOBULIN ISOTYPE: IgG2b

Clone: HMB45

POSITIVE CONTROL TISSUE: Melanoma

REACTIVITY

HMB45 antibody reacts with a melanoma specific antigen that is present in melanocytic cells and junctional nevi. This antibody is non-reactive with normal melanocytes or intradermal nevus cells. It is also non-reaction with other neoplasms such as sarcomas glial tumors and carcinomas.

Antibody FORMAT, DILUTIONS and INCUBATIONS

Affinity purified monoclonal HMB45 melanoma antibody is provided in phosphate buffered saline pH 7.4 containing bovine serum albumin (BSA) and 0.1% 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; dilute 1:30-1:50 for 30-minute incubation with retrieval, for longer incubation time the working titer should be determined by the end user. This antibody best stains when formalin fixed paraffin embedded sections are retrieved.

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The above dilutions and incubation times were derived by the use of Innovex STAT-Q detection systems and the use of Enhancing wash buffer (see special usage guidance below). For less sensitive detection systems these dilution factors may vary and they should be determined by the end user for specific detection system employed.

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APPLICATIONS

This antibody is intended for use in immunolocalization of melanoma 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 or animal tissues for the purpose of qualitative or quantitative localization of melanoma antigens. This antibody can also be used for quantitative flow cytometric assays in the indirect method.

SPECIES REACTIVITY

This antibody reactivity with human tissues 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.

FOR PROFESSIONAL AND RESEARCH USE ONLY