

Mouse Monoclonal Antibody to Melan-A (Mart-1)

Technical Data Sheet

Reagent Category

Monoclonal primary antibody to Melan-A (Mart-1)

ITEM#: IMI26661E (Ready-To-Use)

ITEM#: IMI26652E (Concentrate)

Specific Reagents Supplied

7 ml of anti Melan-A, Ready-To-Use

0.5 ml of anti Melan-A, Concentrate

IMMUNOGLOBULIN ISOTYPE: IgG

CLONE: A 103

REACTIVITY

Melan-A is a product of the Mart-1 gene and it is involved in melanocyte differentiation. Melan A is recognized by autologous cytotoxic T cells. Melan-A is present in most melanomas. 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. This antibody requires heat retrieval when staining formal in fixed paraffin embedded sections.

POSITIVE CONTROL TISSUE: Melanoma

STAINING PATTERN: Cytoplasmic staining

Antibody FORMAT, DILUTION and INCUBATION

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

0.5 ml Concentrate: for 30 minute incubation, the starting dilution is at 1:30-1: 50. For longer Incubation time the titer should be determined by the end user. All concentrated antibodies should be titered by the user for secondary reagents and tissues employed.

This antibody best stains when formalin fixed paraffin embedded tissue sections are retrieved. For Background-Free retrieval, Innovex Uni-Trieve (60°C -70°C) universal retrieval solution is highly recommended. To retrieve with Uni-Trieve: Warm up a water bath or an oven to 60oC -70oC and fill a slide-holding container with Uni-Trieve solution. Place slides in a slide rack or in a coplin jar, fill the jar with Uni-Trieve solution, bring the Uni-Trieve solution containing slides to 60°C - 70°C and hold slides in warm Uni-Trieve solution for 30 minutes. Rinse slides with 2 quick changes of water.

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

□ **7 ml of Ready-To-Use:** for paraffin section staining incubate for 1 hour. This antibody requires heat retrieval when staining paraffin sections. Incubate 30 minutes for frozen sections. This antibody best stains when formalin fixed paraffin embedded tissue sections are retrieved.

For Background-Free retrieval, Innovex Uni-Trieve (60°C -70°C) universal retrieval solution is highly recommended. To retrieve with Uni-Trieve: Warm up a water bath or an oven to 60°C -70°C and fill a slide-holding container with Uni-Trieve solution. Place slides in a slide rack or in a coplin jar, fill the jar with Uni-Trieve solution, bring the Uni-Trieve solution containing slides to 60°C - 70°C and hold slides in warm Uni-Trieve solution for 30 minutes. Rinse slides with 2 quick changes of water.

No cooling period is required. Proceed with immunostaining.

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

APPLICATIONS

This antibody is intended for use in immunolocalization of Melan A (Mart-1) 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 for the purpose of qualitative localization of Melan A (Mart-1). This antibody can also be used for quantitative flow cytometric assays in the indirect method.

SPECIES REACTIVITY

This antibody is reactive with human tissue and cells has been substantiated. Other species reactivity may be determined by the end user.

STORAGE CONDITIONS

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

IMPORTANT NOTE:

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

FOR LABORATORY USE ONLY

FOR ADDITIONAL TECHNICAL SUPPORT:



American MasterTech
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