



Monoclonal Antibody to Desmin

Technical Data Sheet

Reagent Category

Monoclonal primary antibodies to
Desmin

Antibody Formats Supplied

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

PRODUCT# IMI21961E (Ready-To-Use)

PRODUCT# IMI21952E (Concentrate)

SOURCE: Mouse ascites fluid

IMMUNOGLOBULIN ISOTYPE: IgG1

CLONE: DE-U-10

REACTIVITY

Desmin is an intermediate filament of 53kD that is present in cells of muscles of normal and malignant origin. In malignant tissues such as rhabdomyosarcomas and leiomyosarcomas staining of desmin is pronounced. This antibody is suitable for use on routinely fixed paraffin embedded and frozen sections. It is compatible with formalin fixed tissues and with other commonly used histological fixatives.

POSITIVE CONTROL TISSUE: Rhabdomyosarcoma, leiomyosarcoma

STAINING PATTERN: Cytoplasm staining

Antibody FORMATS, DILUTIONS and INCUBATIONS

Affinity purified monoclonal Desmin 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 10 minutes with retrieval. Incubate 30 minutes without retrieval. This antibody best stains when formalin fixed paraffin embedded sections are retrieved.

For Background-Free and easy retrieval, Innovex Uni-Trieve (60°-70°C) universal retrieval solution is highly recommended. To retrieve with Uni-Trieve: Warm up a water bath to 60°-70°C and fill a slide holding container with solution. Place slides in a slide rack and immerse 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; The starting dilution for 10 minutes incubation is 1:50 with retrieval and 30 minutes incubation without retrieval. This antibody best stains when formalin fixed paraffin embedded sections are retrieved.

For Background-Free and easy retrieval, Innovex Uni-Trieve (60°-70°C) universal retrieval solution is highly recommended. To retrieve with Uni-Trieve: Warm up a water bath to 60°-70°C and fill a slide holding container with solution. Place slides in a slide rack and immerse 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.

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THE SUGGESTED STARTING DILUTION FACTORS ARE MERE GUIDELINES ONLY. OPTIMAL DILUTION FACTORS MUST BE DETERMINED BY THE END USER FOR THE SECONDARY STAINING REAGENTS, SPECIMEN, STAINING PROTOCOL AND APPLICATION EMPLOYED.

The above dilution 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 of specific detection system employed.

APPLICATIONS

This antibody is intended for use in immunolocalization of desmin by a variety of immunoassays such as Immunochemistry, 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 and /or quantitative localization of Desmin 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 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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