



Monoclonal Antibody to **CD11b (Mac-1)**

Technical Data Sheet

Reagent Category

Monoclonal primary antibody to CD11b

PRODUCT# IMI13661E (Ready-To-Use)

PRODUCT# IMI13652E (Concentrate)

Antibody Formats Supplied

5 ml of anti CD11b, Ready-To-Use

0.2 ml of anti CD11b, Concentrate

SOURCE: Mouse

IMMUNOGEN: Thymocytes/ Synovial cells

CLONE: 44

IMMUNOGLOBULIN ISOTYPE: IgG

POSITIVE CONTROL TISSUE: Thymus or tonsil or lymph node

REACTIVITY

This antibody reacts with CD11b, which is present on granulocytes including monocytes and macrophages. This antibody is used in study and characterization of normal and malignant cells in myelomonocytic leukemias. This antibody is suitable for use on routinely fixed paraffin embedded and frozen sections and cytospin preparations.

STAINING PATTERN: Membrane staining

PRODUCT FORMATS, DILUTIONS and INCUBATIONS

This affinity purified CD11b monoclonal mouse antibody is provided in phosphate buffered saline pH 7.2 containing bovine serum albumin (BSA) and 0.05% sodium azide.

5 ml Ready-to-Use, (do not dilute). Incubate for 30 minutes to 1 hour 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 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 Uni-Trieve 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 suggested starting dilution for 30 minute incubation is 1:50 for paraffin sections, 1:100 for frozen sections. The working dilution and incubation time must be determined by the end user for the method and secondary reagents employed. 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 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 CD11b antigens in tissues by a variety of immunoassays such as Immunochemistry in human and animal tissues, 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 CD11b antigens. This antibody can also be used for quantitative flow cytometric assays in the indirect method.

SPECIES REACTIVITY

This antibody reactivity with tissues of 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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