



Monoclonal (Rabbit) Antibody to Human CD5

Technical Data Sheet

Reagent Category

Rabbit Monoclonal antibody to human CD5

Antibody Formats Supplied

5 ml of anti CD5, Ready-To-Use

0.2 ml of anti CD5, Concentrate

PRODUCT# IMI16361E (Ready-To-Use)

PRODUCT# IMI16352E (Concentrate)

SOURCE: Rabbit Monoclonal

IMMUNOGLOBULIN ISOTYPE: IgG

POSITIVE CONTROL TISSUE: Lymph node, Tonsil, T cell lymphoma

CLONE: SP19

STAINING PATTERN: Membrane staining

REACTIVITY

CD5 is the cluster designation for a 67kD antigen present on majority of T lymphocytes. CD5 is also present on most thymocytes and on some B cells subsets. Granulocytes and monocytes do not bear CD5 antigen on their surface. This antibody recognizes CD5 antigen, and can be used for staining frozen sections and paraffin sections.

Antibody FORMATS , DILUTIONS and INCUBATIONS

This affinity purified rabbit monoclonal CD5 antibody is provided in phosphate buffered saline pH 7.2 containing bovine serum albumin (BSA) and 0.05% sodium azide.

5 ml of pre-titered, Ready-To-Use; Do not dilute. Incubate for 1-hour for paraffin sections.

This antibody best stains when formalin fixed paraffin embedded sections are gently retrieved with Uni-Trieve. CD antigens are heat labile and are destroyed by extreme heat . Avoid retrieving CD markers with microwave, steamer and pressure cookers.

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 Concentrate; for paraffin section staining: Dilute 1:50 for 1-hour incubation; the dilution factors are considerably higher for 2 hours to over-night incubation.

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The above dilutions and incubation times were derived by the use of Innovex STAT-Q and HISTO-STAT (2-step) detection 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 CD5 antigens in tissue by a variety of immunoassays such as Immunocytochemistry, fluorescent labeling, ELISA, Immunoblotting and dot blotting. In immunohistochemistry, 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 CD5 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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