



Monoclonal Antibody to Anti-Human CD45RO

Technical Data Sheet

Reagent Category

Monoclonal primary antibody to CD45RO

Antibody Formats Supplied

- 7 ml of anti CD45RO, Ready-To-Use
- 0.2 ml of anti CD45RO, Concentrate

PRODUCT# IMI16261E (Ready-To-Use)

PRODUCT# IMI16252E (Concentrate)

SOURCE: Mouse ascites

IMMUNOGEN: IL-2 dependent T cell line (CA1)

IMMUNOGLOBULIN ISOTYPE: IgG2a

CLONE: UCHL-1

POSITIVE CONTROL TISSUE: Tonsil, lymph node, reactive lymph node

REACTIVITY

This antibody recognizes CD45RO, the 220 kD isoform of the CD45R subfamily that includes CD45RA, CD45RB and CD45RC. CD45RO is expressed on 48% of peripheral blood lymphocytes, 37% of CD4 (T helper cells), 80% of thymocytes and on the majority of T cell malignancies. CD45RO is also expressed on peripheral blood monocytes, tissue macrophages and on granulocytes. This antibody is often used in study and evaluation of T cell malignancies. This antibody is suitable for use on routinely fixed paraffin embedded, frozen sections and cell smears.

STAINING PATTERN: Membrane staining

Antibody FORMATS, DILUTIONS and INCUBATIONS

Monoclonal mouse anti CD45RO antibody is provided in phosphate buffered saline pH 7.2 containing bovine serum albumin (BSA) and 0.05% sodium azide. This antibody is available in:

7 ml of Ready-To-Use; Do not dilute. Incubate for 10-30 minutes. 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 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; The starting dilution for paraffin section is **1:50-1:100 for 30 minutes to 1-hour incubation**. The optimal working dilution must be determined by the end user for the primary antibody incubation time, the staining regents and the tissue 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 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 CD45RO antigens in human tissue by a variety of immunoassays such as Immunochemistry, ELISA, Immunoblotting, dot blotting and for use in functional assays in adhesion research. 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 CD45RO antigens. This antibody can also be used for quantitative flow cytometric assays in the indirect method.

SPECIES REACTIVITY

This antibody reactivity with human 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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