



Monoclonal Antibody to **Anti-Human CD45RA**

Technical Data Sheet

Reagent Category

Monoclonal primary antibody to CD45RA

PRODUCT# IMI16161E (Ready-To-Use)

PRODUCT# IMI16152E (Concentrate)

Antibody Formats Supplied

7 ml of anti CD45RA, Ready-To-Use

0.2 ml of anti CD45RA, Concentrate

SOURCE: Mouse ascites

IMMUNOGEN: Human B lymphocytes

IMMUNOGLOBULIN ISOTYPE: IgG1

CLONE: MB1

REACTIVITY

This antibody reacts with the 220 kD is one form of leukocyte common antigen (CD45) known as CD45RA. CD45RA is expressed on B cells, monocytes and on some T cells leukocyte cell adhesion molecule (NCAM), a sialoglycoprotein that mediate intracellular adhesion by homophilic binding to NCAM or another molecule. This antibody recognizes two forms of the protein, 145 and 18kD. In histopathological studies, this antibody can be used for histological typing of human lung tumors. This antibody is suitable for use on routinely fixed paraffin embedded or frozen sections or cell smears.

POSITIVE CONTROL TISSUE: Tonsil /Lymph Node

STAINING PATTERN: Membrane and cytoplasmic staining

Antibody FORMATS, DILUTIONS and INCUBATIONS

Monoclonal mouse anti CD45RA 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 pre-diluted, Ready-To-Use; Do not dilute. Incubate for 30minutes to 1 hour. This antibody best stains with retrieval when staining formalin fixed paraffin sections.

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 container with Uni-Trieve solution, bring the Uni-Trieve solution containing the 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

0.2 ml Concentrate; The starting dilution for paraffin section is 1:25-1:50 incubate for 30 minutes to 1 hour. The optimal working dilution should be determined by the end user for the specific incubation time, the tissue and the detection system employed. **This antibody best stains with retrieval when staining formalin fixed paraffin sections.**

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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 CD45RA 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 CD45RA 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.

FOR IN VITRO RESEARCH USE ONLY