



Monoclonal Antibody to Human CD3

Technical Data sheet

Reagent Category

Monoclonal primary antibody to CD3

Antibody Formats Supplied

- 5 ml of anti CD3, Ready-To-Use
- 0.2 ml of anti CD3, Concentrate

PRODUCT# IMI15361E (Ready-To-Use)

PRODUCT# IMI15352E (Concentrate)

SOURCE: Cultured supernatant

IMMUNOGLOBULIN ISOTYPE: IgG1

CLONE: LN10

REACTIVITY

This anti CD3 antibody recognizes a 16-28 kD antigen associate with T-cell receptor, It is present on mature T-cells and thymocytes. CD3 consists of 5 different polypeptide chains that are designated as gamma, delta, epsilon, zeta and beta. This UCHT-1 anti CD3 antibody is specific for the non-glycosylated epsilon chain of CD3 molecule. Cytoplasmic CD3 staining is often observed in immature T-cell malignancies while peripheral T-cell lymphomas and mature T-cell malignancies express surface CD3. This CD3 antibody is suitable for staining routinely fixed, paraffin embedded and frozen sections. For staining this antibody on paraffin sections observe the special usage guidance of this data sheet. This antibody is compatible with formalin and other most commonly used histological fixatives.

POSITIVE CONTROL TISSUE: Tonsil, T-cell lymphomas, Pan T-cell

STAINING PATTERN: Membrane staining.

PRODUCT FORMATS, DILUTIONS and INCUBATION

Monoclonal anti CD3 mouse antibody is provided in phosphate buffered saline pH 7.4 containing bovine serum albumin (BSA) and 0.1% sodium azide.

5 ml ready-to-use, Do Not Dilute. Incubate for 30 minutes.

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 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.

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0.2 ml concentrate. Dilute 1:50 for 30-minutes to 1-hour incubation. For longer incubation time the titer must be determined by the end user. **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.**

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APPLICATIONS

This antibody is intended for use in immunolocalization of CD3 antigen in human or animal tissue 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 localization of CD3 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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