



Monoclonal Antibody to Human Thyroglobulin

Technical Data Sheet

Reagent Category

Monoclonal primary antibody to
Human Thyroglobulin

Antibody Formats Supplied

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

PRODUCT# IMI30661E (Ready-To-Use)

PRODUCT# IMI30652E (Concentrate)

SOURCE: Mouse ascites fluid

IMMUNOGLOBULIN ISOTYPE: IgG1

CLONE: 1D4

IMMUNOGEN: Purified human thyroglobulin

REACTIVITY

This monoclonal thyroglobulin antibody reacts with normal and neoplastic cells of thyroid glandular tissue. The immunolocalization of thyroglobulin proteins present in thyroid follicular tissues can be achieved by the use of this antibody. This antibody is suitable for use on alcohol or acetone fixed cryostat (frozen) sections. It can also be used for routinely fixed paraffin embedded sections. This antibody is compatible with formalin and other most commonly used histological fixatives.

POSITIVE CONTROL TISSUE: Thyroid carcinoma

STAINING PATTERN: Cytoplasmic staining

PRODUCT FORMATS, DILUTIONS and INCUBATIONS

This affinity purified thyroglobulin monoclonal mouse antibody is provided in phosphate buffered saline pH 7.2 containing bovine serum albumin (BSA) and 0.5% sodium azide.

7 ml of Ready-To-Use; Do not dilute. Incubate for 30 minutes. This antibody best stains when formalin fixed paraffin embedded sections are retrieved.

For Background-Free, gentle 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 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, dilute 1:50 for 30-minute incubation, The dilution factors are considerably higher for 1 hour to over-night incubation. For longer incubation time the working titer must be determined by the end user. This antibody best stains when formalin fixed paraffin embedded sections are retrieved.

For Background-Free, gentle 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 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.

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.

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APPLICATIONS

This antibody is intended for use in immunolocalization of thyroglobulin antigens in human 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 thyroglobulin antigens. This antibody can also be used for quantitative flow cytometric assays in the indirect method.

SPECIES REACTIVITY

This antibody reactivity with human tissue 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 on the vial label.

IMPORTANT NOTE:

The interpretation of test results is the sole responsibility of the end user.

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