



Monoclonal Antibody to Anti-Human CD30 (Ki-1 antigen)

Technical Data Sheet

Reagent Category

Monoclonal primary antibody to
Ki-1 antigen

Antibody Formats Supplied

- 5 ml of anti ki-1 antigen, Ready-To-Use
- 0.5 ml of anti ki-1 antigen, Concentrate

PRODUCT# IMI15461E (Ready-To-Use)

PRODUCT# IMI15452E (Concentrate)

SOURCE: Purified cultured supernatant

IMMUNOGLOBULIN ISOTYPE: IgG2

CLONE: 1G12

REACTIVITY:

This antibody recognizes Ki-1 antigen (CD30), a single chain glycoprotein of 120 Kd molecular weight. CD30 is expressed on large cell lymphomas, mononuclear Hodgkin's disease and Reed Sternberg cells. It is non-reactive with most B cell and T cell lymphomas, however some pleiomorphic T cell lymphomas may stain positive. It shows no reactivity with normal human tissue from brain, skin, lung, heart, blood vessel kidney, muscle, bone, cartilage, thymus, bone marrow, endocrine and exocrine glands. This antibody is suitable for use on routinely fixed paraffin embedded (see special usage guidance) or frozen sections or cell smears. When employing this antibody on routinely fixed, paraffin embedded sections.

STAINING PATTERN: Mostly membrane staining, some cytoplasmic staining of mononuclear and multinucleated Reed-Sternberg cells may be observed.

POSITIVE CONTROL TISSUE: Mononuclear Hodgkin's lymphoma, large cell anaplastic lymphoma

Antibody FORMATS, DILUTIONS and INCUBATIONS

Monoclonal mouse anti Ki-1 (CD30) antibody is affinity purified and it is provided in phosphate buffered saline pH 7.4 containing bovine serum albumin (BSA) and 0.1% sodium azide. This antibody is available in:

5 ml of Ready-To-Use, **Do not dilute.** Incubate for 1-hour.

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

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The above dilutions and incubation times were derived times by the use of Innovex STAT-Q detection system. 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 Ki antigen (CD30) in human tissue by a variety of immunoassays such as Immunochemistry, ELISA, Immunofluorescence labeling, Immunoblotting, dot blotting and for use in functional assays in adhesion research. In immunochemistry, this antibody can be used in staining routinely fixed paraffin embedded or frozen histological sections for the purpose of qualitative localization of Ki antigen (CD30). 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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