



Monoclonal Antibody to Kappa light chain

Technical Data Sheet

Reagent Category

Monoclonal primary antibody to
kappa light chain

Antibody Formats Supplied

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

PRODUCT# IMI25861E (Ready-To-Use)

PRODUCT# IMI25852E (Concentrate)

IMMUNOGEN: Human IgG fragment

IMMUNOGLOBULIN ISOTYPE: IgG1 Kappa

CLONE: KP-53

REACTIVITY

This antibody reacts with human kappa light chain of immunoglobulins. The detection of light chain of surface immunoglobulins on normal and neoplastic B cells is often employed for the demonstration of the origin of lymphoid neoplasms. This antibody is suitable for use on routinely fixed paraffin embedded and frozen sections. This kappa antibody is compatible with formalin fixative as well as most commonly used histological fixatives.

POSITIVE CONTROL TISSUE: Lymphoma/ Lymph node

Antibody FORMAT, DILUTIONS and INCUBATIONS

Affinity purified monoclonal anti kappa antibody is provided in phosphate buffered saline pH 7.4 containing bovine serum albumin (BSA) and 0.1% 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 1:50-1:80 for 30-minute 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 detection systems and the use of Enhancing wash buffer (see special usage guidance below). 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 kappa light chain by a variety of immunoassays such as Immunochemistry, fluorescent labeling, ELISA, Immunoblotting and dot blotting. In immunochemistry, this antibody can be used in staining routinely fixed paraffin embedded or frozen histological sections of human or animal tissues for the purpose of qualitative or quantitative localization of kappa light chains. This antibody can also be used for quantitative flow cytometric assays in the indirect method.

SPECIES REACTIVITY

This antibody reactivity with human, mouse, rat and primates tissues 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.

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