



Monoclonal Antibody to Human IgM

Technical Data Sheet

Reagent Category

Monoclonal primary antibodies to
Human IgM

Antibody Formats Supplied

- 7 ml of anti human IgM, Ready-To-Use
- 0.2 ml of anti human IgM, Concentrate

PRODUCT# IMI25661E (Ready-To-Use)

PRODUCT# IMI25652E (Concentrate)

SOURCE: Mouse ascites fluid

IMMUNOGLOBULIN ISOTYPE: IgG1

CLONE: M94181a

REACTIVITY

This antibody is reactive with the heavy chain of human IgM (mu chain). This antibody is non-cross reactive with other human immunoglobulins such as human IgG, human IgA, human IgD and human IgE. This antibody is suitable for use on routinely fixed paraffin embedded and for frozen sections. This antibody is compatible with formalin fixed tissues and with other commonly used histological fixatives.

POSITIVE CONTROL TISSUE: Tonsil

STAINING PATTERN: Membrane and/ or cytoplasmic staining

Antibody FORMAT, DILUTIONS and INCUBATIONS

This affinity purified monoclonal anti human IgM antibody is provided in phosphate buffered saline pH 7.2 containing bovine serum albumin (BSA) and 0.05% sodium azide.

7 ml of pre-diluted, Ready-to-Use; Do not dilute. Incubate for 10-30 minutes for paraffin sections.

0.2 ml of concentrate; for 30-minute incubation, dilute 1:50-1:100.

The above dilutions and incubation times were derived by the use of Innovex STAT-Q and HISTO-STAT (2-step) 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.

SPECIAL USAGE GUIDANCE

No pre-treatment is necessary, however, For best staining results of paraffin sections, the use of Innovex signal-Enhancing Wash Buffer Item#: IMI00396E for Immuno-Peroxidase staining and Item#: IMI00596E for Immuno-Alkaline-phosphatase) in place of PBS or Tris buffer for the rinsing in between the incubation steps is highly recommended. The use of Innovex enhancing Wash Buffers greatly enhances staining signals for antigenically weak or for overfixed tissues. Its use further eliminates the need for enzyme Pre-digestion, heat application (retrieval procedure), long incubation of primaries and repetitive procedures.

CONTINUED OVER



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APPLICATIONS

This antibody is intended for use in immunolocalization of IgM 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 and /or quantitative localization of IgM antigens. This antibody can also be used for quantitative flow cytometric assays in the indirect method.

APPROPRIATE NEGATIVE CONTROL SERA for staining negative control slide

Employ purified normal mouse sera free of immunoglobulin, concentration at 1-5ug/ml in place of primary antibody when staining negative control slides for this antibody. Observe the same incubation time for negative control sera and primary antibody.

SPECIES REACTIVITY

This antibody reactivity with 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