



Monoclonal Antibodies to Human IgD (Delta chain)

Technical Data Sheet

Reagent Category

Monoclonal primary antibodies to
Human IgD

Antibody Formats Supplied

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

PRODUCT# IMI25361E (Ready-To-Use)

PRODUCT# IMI25352E (Concentrate)

SOURCE: Mouse ascites

IMMUNOGLOBULIN ISOTYPE: IgG1

REACTIVITY

This antibody is reactive with the heavy chain of human IgD (Delta chain); it does not cross react with other human immunoglobulins such as human IgM, IgA, Or IgG1, IgG2, IgG3, IgG. This antibody is suitable for use on routinely fixed paraffin embedded (see special usage guidance of this data sheet) and frozen sections. It is compatible with formalin fixed tissues and with other commonly used histological fixatives.

POSITIVE CONTROL TISSUE: Tonsil, lymph node

STAINING PATTERN: Membrane and/ or cytoplasmic staining

Antibody FORMAT, DILUTIONS and INCUBATIONS

This affinity purified monoclonal anti human IgD antibody is provided in phosphate buffered saline pH 7.4 containing bovine serum albumin (BSA) and 0.1% sodium azide.

- 7 ml of pre-titered, Ready-to-Use; Do not dilute. Incubate for 10-30 minutes for paraffin sections.**
- 0.2 ml of concentrate: The suggested starting dilution for 30-minute incubation is 1:50 for paraffin sections and 1:100 for frozen sections.** The ultimate working dilution and incubation time must be determined by the end user for the incubation time and the secondary reagents employed.

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 must be determined by the end user for specific detection system employed.

SPECIAL USAGE GUIDANCE

For best staining results of paraffin sections a signal amplification method such as heat retrieval or the use of Innovex signal-Enhancing Wash Buffers (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 IgD 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 IgD 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 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