

Mouse Monoclonal Antibody to INSULIN

Technical Data Sheet

Reagent Category

Monoclonal primary antibody to Insulin

ITEM#: IMI25761E (Ready-To-Use)

ITEM#: IMI25752E (Concentrate)

Antibody Formats Supplied

7 ml of anti Insulin, Ready-To-Use

0.5 ml of anti Insulin, Concentrate

SOURCE: Mouse ascites fluid

IMMUNOGLOBULIN ISOTYPE: IgG1

CLONE: Pool

REACTIVITY

This monoclonal insulin antibody reacts with islets β cells of pancreas in a variety of species tissues such as human, rat, mouse, bovine, porcine and rabbit. This antibody is suitable for use on routinely fixed paraffin embedded sections as well as on alcohol or acetone fixed cryostat (frozen) sections.

POSITIVE CONTROL TISSUE: Pancreas

STAINING PATTERN: Cytoplasmic staining

PRODUCT FORMATS, DILUTIONS and INCUBATIONS

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

7ml pre-diluted, Ready-to-Use: (Do not dilute). Incubate for 10-30 minutes.

0.5 ml Concentrate: For 10-30 minute incubation, dilute 1:50-1:80; The provided dilution range are mere guidelines, the incubation time and the working titer must be determined by the end user for the tissue and the secondary staining reagents employed.

The above dilutions and incubation times were derived by the use of Innovex STAT-Q and HISTO-STAT staining systems . For less sensitive staining systems these dilution factors may vary and they should be determined by the end user for specific staining system and staining procedure employed.

SPECIAL USAGE GUIDANCE

No Pre-Treatment is necessary, however, for best staining results, the use of Innovex signal-Enhancing Wash buffer is highly recommended when staining **formalin fixed paraffin** embedded sections. 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 steps in between the incubation steps greatly enhances staining signals for antigenically weak tissues or for over fixed tissues. **Its use further eliminates the need for enzyme Pre-digestion, heat application (retrieval procedure), long incubation of primaries and repetitive procedures.**

APPLICATIONS

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

SPECIES REACTIVITY

This antibody reactivity with human, bovine, rabbit, mouse, rat and porcine tissues has been substantiated; other species reactivity may be characterized by the end user.

STORAGE CONDITIONS

Store in refrigerator at 2-8°C through the expiration date noted on the vial label.

IMPORTANT NOTE:

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

FOR IN VITRO RESEARCH USE ONLY

FOR ADDITIONAL TECHNICAL SUPPORT:



American MasterTech
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