American MasterTech
scientific laboratory supplies
POST OFFICE BOX 2539 LODI, CALIFORNIA 95241 TELEPHONE: 1 (800) 860 4073 FACSIMILE: 1 (209) 368 4136

Monoclonal Antibody to
Hepatitis C Virus

Technical Data Sheet

Reagent Category
Monoclonal primary antibody to Hepatitis C Virus

Antibody Formats Supplied
□ 0.2 ml of Hepatitis C virus, Concentrate

PRODUCT# IMI24752E (Concentrate)

SOURCE: Mouse ascites

IMMUNOGEN: Hepatitis C viral proteins

IMMUNOGLOBULIN ISOTYPE: IgG1

CLONE: MMM33

POSITIVE CONTROL TISSUE: infected liver

REACTIVITY
This antibody recognizes hepatitis C virus and it reacts with the caspid component of hepatitis C virus. This antibody is non-cross reactive with hepatitis A and B. This antibody is suitable for use on routinely fixed paraffin embedded and frozen sections. This antibody is compatible with formalin fixative as well as most commonly used histological fixatives.

STAINING PATTERN: Granular cytoplasmic staining of infected hepatocytes.

Antibody FORMATS, DILUTIONS and INCUBATIONS
Affinity purified monoclonal anti human Hepatitis C virus antibody is provided in phosphate buffered saline pH 7.2 containing bovine serum albumin (BSA) and 0.05% sodium azide.

□ 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 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.

SPECIAL USAGE GUIDANCE
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 is highly recommended for this antibody. . The use of Innovex Signal Enhancing Wash buffers amplifies staining signal, eliminates the need for enzyme digestion pre treatment, heat application (retrieval procedure) and shortens the incubation time for the primaries antibodies without addition of any extra steps to immunostaining procedures.

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APPLICATIONS

This antibody is intended for use in immunolocalization of Hepatitis C virus 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 tissues for the purpose of quantitative localization of hepatitis C. This antibody can also be used for quantitative flow cytometric assays in the indirect method.

APPROPRIATE NEGATIVE CONTROL SERA for staining negative control slides

Employ purified normal mouse sera free of immunoglobulin, concentration at 1-5 ug/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 human tissues has been substantiated, other species reactivity may be characterized by the end user.

STORAGE CONDITIONS

Store in refrigerator at 2-8^{o}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