



Monoclonal Antibody to Hepatitis B Core antigen (HBcAG)

Technical Data Sheet

Reagent Category

Monoclonal primary antibody to
Hepatitis B core antigen

Antibody Formats Supplied

□ 0.2 ml of anti Hepatitis B core antigen, Concentrate

PRODUCT#: IMI24552E (Concentrate)

SOURCE: Mouse

IMMUNOGEN: Hepatitis B core protein

IMMUNOGLOBULIN ISOTYPE: IgG1

CLONE: LF161

POSITIVE CONTROL TISSUE: Infected liver

REACTIVITY

This antibody recognizes hepatitis B core antigen (HBcAg) which is predominantly localized within the nucleus infected hepatocytes. This antibody is non-cross reactive with the surface antigen of hepatitis B component of the infective domain for hepatitis B virus. 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.

Antibody FORMATS, DILUTIONS and INCUBATIONS

Affinity purified monoclonal anti human Hepatitis B core 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; for 30-minute incubation, dilute 1:50-1:80.** The optimal incubation time the working titer must be determined by the end user. **This antibody best stains when formalin fixed paraffin embedded tissue sections are retrieved.**

For Background-Free and easy retrieval, Innovex Uni-Trieve (60°C-70°C) universal retrieval solution is highly recommended. To retrieve with Uni-Trieve: Warm up water bath to 60°C-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 Uni-Trieve solution and slides to 60°C-70°C and let slides incubate at 60°C-70°C for 30 minutes. Rinse slides with 2 quick changes of water; No cooling period is required. Proceed with IHC or fluorescent (IF) staining.

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.

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APPLICATIONS

This antibody is intended for use in immunolocalization of Hepatitis B core antigen (HBcAG) by a variety of immunoassays such as IHC, Immunofluorescence (IF), ELISA, Immunoblotting and dot blotting. For IHC, 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 B core antigen (HBcAG). This antibody can also be used for quantitative flow cytometric assays in the indirect method.

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°C through expiration date noted on the vial.

IMPORTANT NOTE:

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

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