



Monoclonal Antibody to PCNA (proliferating cell nuclear antigen)

Technical Data Sheet

Reagent Category

Monoclonal primary antibody to PCNA

Specific Reagents Supplied

- 5 ml of anti PCNA, Ready-To-Use
- 0.2 ml of anti PCNA, Concentrate

PRODUCT# IMI28461E (Ready-To-Use)

PRODUCT# IMI28452E (Concentrate)

SOURCE: Ascites fluid

IMMUNOGLOBULIN ISOTYPE: IgG1

CLONE: PC10

REACTIVITY

Proliferation cell nuclear antigen (PCNA) is a stable nuclear cell cycle related protein. PCNA level increases between early G1 and early S phase and it plateaus through G2 phase. This antibody reacts with PCNA antigens present in the nucleus of proliferating cells of many species such as human, primate, mouse, bovine, rat and dolphin. This antibody is useful for cell proliferation analysis and Ki-67 study. This antibody is suitable for use on routinely fixed paraffin embedded and for frozen sections. This antibody is compatible with formalin fixed tissues and other commonly used histological fixatives.

POSITIVE CONTROL TISSUE: Tonsil

PRODUCT FORMATS, DILUTION and INCUBATION

Monoclonal anti PCNA mouse ascites antibody is provided in phosphate buffered saline pH 7.2 containing bovine serum albumin and 0.05% sodium azide. This antibody is available in:

5 ml of Ready-to-Use, Do not dilute . Incubate for 30 minutes. This antibody best stains when formalin fixed paraffin embedded sections are retrieved.

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

0.2 ml Concentrate; For 30 min. incubation, dilute 1:50, for paraffin sections. For longer incubation time the working titer must be determined by the end user. **This antibody best stains when formalin fixed paraffin embedded sections are retrieved.**

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APPLICATIONS

This antibody is intended for use in immunolocalization of PCNA in human, primate, mouse, rat, bovine, rabbit, and dolphin by a variety of immunoassays such as Immunochemistry, ELISA, Immunoblotting and dot blotting. In immunochemistry, this antibody can be used in staining mouse in routinely fixed paraffin embedded or frozen histological sections for the purpose of qualitative localization of PCNA. This antibody can also be used for quantitative flow cytometric assays in the indirect method.

SPECIES REACTIVITY

This PCNA antibody's reactivity with human, primate, bovine, rabbit, mouse, rat, and dolphin has been substantiated. Other species reactivity must be determined 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 PROFESSIONAL AND RESEARCH USE ONLY