



Monoclonal Antibody to Human Papilloma virus (HPV)

Technical Data Sheet

Reagent Category

Monoclonal primary antibody to
human papilloma virus

Antibody Formats Supplied

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

PRODUCT# IMI25161E (Ready-To-Use)

PRODUCT# IMI25152E (Concentrate)

SOURCE: Mouse ascites fluid

IMMUNOGEN: SDS- disrupted papilloma virus type I

IMMUNOGLOBULIN ISOTYPE: IgG1

POSITIVE CONTROL TISSUE: Human papilloma infected cervix

REACTIVITY

This antibody recognizes the following associated papilloma viral proteins: HPV-1, HPV-6, HPV-11, HPV-16, HPV-18 and HPV-31. This antibody is reactive with papilloma virus genus specific antigens in a variety of skin and mucosal lesions including common verrucae, mucosal lesions, multiple papiloma, and condylomata. 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 papilloma virus antibody is provided in phosphate buffered saline pH 7.2 containing bovine serum albumin (BSA) and 0.05% sodium azide.

7 ml of Ready-to-Use, Do not dilute. Incubate for 30 minutes to 1-hour. This antibody best stains when formalin fixed paraffin embedded tissue 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 of concentrate; Dilute 1:20-1:40 for 30-minute to 1-hour incubation. For longer 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, 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.

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 papilloma 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 papilloma viral proteins. 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.

FOR PROFESSIONAL AND RESEARCH USE ONLY