



Monoclonal Antibody to Human Cytokeratin 7

Technical Data Sheet

Reagent Category

Monoclonal primary antibody to
Cytokeratin 7

Antibody Formats Supplied

- 7 ml of anti cytokeratin 7, Ready-To-Use
- 0.2 ml of anti cytokeratin 7, Concentrate

PRODUCT# IMI21361E (Ready-To-Use)

PRODUCT# IMI21352E (Concentrate)

SOURCE: Mouse ascites fluid

IMMUNOGEN: Purified cytokeratin 7 peptides

IMMUNOGLOBULIN ISOTYPE: IgG1

Clone: OV-TL12/30

REACTIVITY

This anti human cytokeratin 7 reacts with human intermediate filament protein of 54 kD, a protein band of cytoskeletal proteins in neoplasms of epithelia. This antibody is often employed in studying and identification of ovarian carcinomas and colon carcinomas. This antibody is suitable for use on routinely fixed paraffin embedded or frozen sections or cell smears.

POSITIVE CONTROL TISSUE: Colon /ovarian carcinoma

STAINING PATTERN: Cytoplasmic

Antibody FORMATS, DILUTIONS and INCUBATIONS

This monoclonal mouse anti cytokeratin 7 antibody is affinity purified and it is provided in phosphate buffered saline pH 7.2 containing bovine serum albumin (BSA) and 0.05 % sodium azide. This antibody is available in:

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 sections are retrieved.

For Background-Free and easy 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 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, for paraffin section staining: Dilute 1:30- 1:50 for 30-minute incubation. For longer incubation time the titer must be determined by the end user. This antibody best stains when formalin fixed paraffin embedded sections are retrieved.

For Background-Free and easy 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 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.

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THE SUGGESTED STARTING DILUTION FACTORS ARE MERE GUIDELINES ONLY. OPTIMAL DILUTION FACTORS MUST BE DETERMINED BY THE END USER FOR THE SECONDARY STAINING REAGENTS, SPECIMEN, STAINING PROTOCOL AND APPLICATION EMPLOYED.

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

APPLICATIONS

This antibody is intended for use in immunolocalization of cytokeratin 7 protein in human tissue by a variety of immunoassays such as Immunochemistry, ELISA, Immunofluorescence labeling, Immunoblotting, 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 cytokeratin 7 proteins. This antibody can also be used for quantitative flow cytometric assays in the indirect method.

SPECIES REACTIVITY

This antibody reactivity with human has been substantiated, other species reactivity may be characterized by the end user.

STORAGE CONDITIONS

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

IMPORTANT NOTE:

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

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