



Monoclonal Antibody to Human Cytokeratin 10

Technical Data Sheet

Reagent Category

Monoclonal primary antibody to
Cytokeratin 10

Antibody Formats Supplied

- 5 ml of anti cytokeratin 10, Ready-To-Use
- 0.2 ml of anti cytokeratin 10 , Concentrate

PRODUCT# IMI20561E (Ready-To-Use)

PRODUCT# IMI20552E (Concentrate)

SOURCE: Mouse ascites fluid

IMMUNOGEN: Purified cytokeratin 10 peptides

IMMUNOGLOBULIN ISOTYPE: IgG1

CLONE: LHP1

REACTIVITY

This anti human cytokeratin 10 reacts with human intermediate filament protein of 56.5 kD, a cytoskeletal proteins band found in superbasal layers of keratinising stratified epithelia. Cytokeratin 10 is also found in superbasal layers of non keratinising stratified epithelia and in differentiated squamous carcinomas. This antibody is often employed in studying and characterization of stratified squamous carcinomas. This antibody is suitable for use on routinely fixed paraffin embedded or frozen sections or cell smears.

POSITIVE CONTROL TISSUE: Skin

STAINING PATTERN: Cytoplasmic

Antibody FORMATS, DILUTIONS and INCUBATIONS

This monoclonal mouse anti cytokeratin 10 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:

5 ml of pre-diluted, Ready-To-Use, *Do not dilute.* Incubate for 30 minutes to 1 hour.

0.2 ml of concentrated. The working titer must be determined by the end user; however, the starting dilution may range from 1:25-1:50 for 30-minute incubation time. . **The suggested dilution factors are mere guidance, the ultimate working titer must be determined by the end user for the specimen and the secondary staining or labeling reagents employed.**

The above dilutions and incubation times were derived times by the use of Innovex STAT-Q detection system. 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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SPECIAL USAGE GUIDANCE

No pre-treatment is necessary, however, the use of a signal enhancing wash buffer in place of PBS or Tris buffer for the rinsing steps in between incubation steps (Item#: IMI00396E for Immuno-Peroxidase staining and Item#: IMI00596E for Immuno-Alkaline-phosphatase) is highly recommended.

The use of enhancing wash buffer greatly enhances staining signals even on antigenically weak tissues or for overfixed tissues. Its use further eliminates the need for repetitive procedures. In addition, the use of Enhancing Wash Buffers as the assay wash buffer allow the user to cut primary incubation time and/or increase antibody dilution.

APPLICATIONS

This antibody is intended for use in immunolocalization of cytokeratin 10 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 10 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 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