

Monoclonal Antibody to Human Cytokeratin 20

Technical Data Sheet

Reagent Category

Monoclonal primary antibody to
Cytokeratin 20

Antibody Formats Supplied

□ 7 ml of anti Cytokeratin 20, Ready-To-Use

Item#: IMI21061E (Ready-To-Use)

SOURCE: Mouse ascites fluid

IMMUNOGEN: Purified Cytokeratin 20 from human intestinal mucosa

IMMUNOGLOBULIN ISOTYPE: IgG1

Clone: IT-KS20.3

REACTIVITY

This anti human Cytokeratin antibody reacts with human Cytokeratin 20, a polypeptide with MW of 46 Kd. This antibody binds to intestinal and gastric foveolar epithelium, urothelial umbrella cells, certain carcinomas such as adenocarcinomas of the colon, transitional cell carcinomas of the bladder and merkel cell tumors of the skin. This antibody further reacts with cultured cell line of HT-29, LoVo, DLD-1, SW 1116 Z. This antibody is non-reactive with adenocarcinoma of the breast, lung, endometrium, neuroendocrine tumors of the lung. This antibody is suitable for use on routinely fixed paraffin embedded sections (see special usage guidance of this data sheet) and for frozen sections and cytopsin cell preparations.

POSITIVE CONTROL TISSUE: Colon carcinoma

STAINING PATTERN: Cytoplasmic

Antibody FORMATS, DILUTIONS and INCUBATIONS

This monoclonal mouse anti cytokeratin 20 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 pre-titered, Ready-To-Use: Do not dilute. Incubate for 30 minutes to one hour.

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.

SPECIAL USAGE GUIDANCE

No pre-treatment such as enzyme (trypsin) pre-digestion is necessary when employing Innovex STAT-Q detection system and signal Enhancing wash buffer in place of PBS or Tris buffer for rinsing in between incubation steps (Item#: IMI00596E for Immuno-Peroxidase staining or Item#: IMI00396E for Immuno-Alkaline-phosphatase staining). The use of Innovex Enhancing wash buffer greatly enhances staining signals even on antigenically weak tissues and for overfixed tissues. Furthermore, the use of Innovex Enhancing Wash Buffer as the assay wash buffer allows the user to cut primary incubation time and/or increase antibody dilution and eliminates the need for enzyme pre-digestion. When rinsing with PBS, trypsin digestion of paraffin sections is highly recommended.

APPLICATIONS

This antibody is intended for use in immunolocalization of Cytokeratin 20 proteins 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 20 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 to 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

FOR ADDITIONAL TECHNICAL SUPPORT:



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