



Monoclonal Antibody to **AE1 (acidic cytokeratins)**

Technical Data Sheet

Reagent Category

Monoclonal primary antibody to
AE1 cytokeratin

Antibody Formats Supplied

- 7 ml of anti AE1 cytokeratin, Ready-To-Use
- 0.2 ml of anti AE1 cytokeratin , Concentrate

PRODUCT# IMI21761E (Ready-To-Use)

PRODUCT# IMI21752E (Concentrate)

HOST SPECIES: Mouse ascites fluid

IMMUNOGEN: Purified human acidic keratins

IMMUNOGLOBULIN ISOTYPE: IgG1

CLONE: AE1

STAINING PATTERN: Cytoplasmic

POSITIVE CONTROL TISSUE: Adenocarcinoma/ skin

REACTIVITY

This antibody recognizes the acidic low and intermediate molecular weights cytokeratins of 40,48,50,56.5 kD's. This antibody is non-cross reactive with other filament such as GFAP, desmin and neurofilaments. This antibody is suitable for staining routinely fixed paraffin embedded and frozen sections. For staining paraffin sections see special usage guidance of this data sheet. This antibody is compatible with formalin fixative as well as most commonly used histological fixatives.

Antibody FORMATS, DILUTIONS and INCUBATIONS

This affinity purified monoclonal anti AE1 cytokeratin 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 10-30minutes

0.2 ml of concentrate; for 30-minute incubation, dilute 1:40-1:80

for longer incubation time the working titer should be determined by the end user.

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

When staining for cytokeratins in paraffin sections, enzyme digestion or the use of a HRP-Enhancing buffers (Item#: IMI00396E for Immuno-Peroxidase staining and Item#: IMI00596E for Immuno-Alkaline-phosphatase) in place of PBS or Tris buffer for the rinsing steps in between the incubation steps is highly recommended. The use of Innovex-Enhancing Wash Buffers greatly enhances staining signals for antigenically weak tissues or for overfixed tissues. Its use further eliminates the need for enzyme Pre-incubation of primaries and repetitive procedures..

APPLICATIONS

This antibody is intended for use in immunolocalization of AE1 cytokeratin by a variety of immunoassays such as Immunocytochemistry, fluorescent labeling, ELISA, Immunoblotting and dot blotting. In immunocytochemistry, this antibody can be used in staining routinely fixed paraffin embedded or frozen histological sections of human or animal tissues for the purpose of qualitative or quantitative localization of AE1 cytokeratin. 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, their 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