



## Monoclonal Antibody to AE3 (basic) cytokeratins

### Technical Data Sheet

#### Reagent Category

Monoclonal primary antibody to  
AE3 cytokeratin

#### Antibody Formats Supplied

- 7 ml of anti AE3 cytokeratin, Ready-To-Use
- 0.2 ml of anti AE3 cytokeratin, Concentrate

PRODUCT# IMI21861E (Ready-To-Use)

PRODUCT# IMI21852E (Concentrate)

**IMMUNOGEN:** purified human basic keratins

**IMMUNOGLOBULIN ISOTYPE:** IgG1

**Clone:** AE3

**STAINING PATTERN:** Cytoplasmic

**POSITIVE CONTROL TISSUE:** Epithelial tissues, skin

#### REACTIVITY

AE3 antibody recognizes a family of keratins grouped as the basic keratins; it specifically reacts with 40, 48, 50, and 56.5 kD keratins. This antibody is often used in the visualization epithelial cells in normal neoplastic tissues. 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 AE3 cytokeratin antibody is provided in phosphate buffered saline pH 7.4 containing bovine serum albumin (BSA) and 0.1% sodium azide.

**7 ml of Ready-to-Use, Do not dilute. Incubate for 30 minutes. Retrieval is highly recommended. For easy and, gentle and non-detrimental retrieval the use of Innovex Uni-Trieve (60°C-75°C) is highly recommended.**

*Warm up a water bath or an oven to 60°C and fill a slide holding container with Uni-Trieve solution. Bring the Uni-Trieve solution to 60°C and incubate the slides in 60°C Uni-Trieve solution for 30 minutes. Rinse slides with 2 quick changes of water; No cooling period is required. Proceed with immunostaining.*

**0.5 ml of concentrate; For 30 minutes incubation dilute 1: 20; For longer incubation time the working titer should be determined by the end user. Retrieval is highly recommended. For easy and, gentle and non-detrimental retrieval the use of Innovex Uni-Trieve (60°C-75°C) is highly recommended.**

*Warm up a water bath or an oven to 60°C and fill a slide holding container with Uni-Trieve solution. Bring the Uni-Trieve solution to 60°C and incubate the slides in 60°C Uni-Trieve solution 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 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 AE3 cytokeratin 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 or animal tissues for the purpose of qualitative or quantitative localization of AE3 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, 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***