



Monoclonal Antibody to **Cytokeratin 19**

Technical Data Sheet

Reagent Category

Monoclonal primary antibody to
cytokeratin 19

Antibody Formats Supplied

- 7 ml of anti cytokeratin 19, Ready-To-Use
- 0.2 ml of anti cytokeratin 19, Concentrate

PRODUCT# IMI20961E (Ready-To-Use)

PRODUCT# IMI20952E (Concentrate)

IMMUNOGEN: Human keratins

IMMUNOGLOBULIN ISOTYPE: IgG

Clone: b170

REACTIVITY

Keratin 19 is the smallest human keratin and it is found in simple and some squamous epithelia. Keratin 19 positive staining in breast cancer has been used to distinguish malignant and benign tumors. 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 (see special usage guidance of this data sheet).

Antibody FORMATS, DILUTIONS and INCUBATIONS

Affinity purified monoclonal anti keratin 19 antibody is provided in phosphate buffered saline pH 7.2 containing bovine serum albumin (BSA) and 0.05% sodium azide.

7 ml of pre-diluted, Ready-to-Use, Do not dilute. Incubate for 10-30 minutes.

0.2 ml of concentrate; for staining paraffin sections dilute 1: 40 for 10 minute incubation; For 30 minute incubation dilute 1:60. for longer incubation time the working titer should be determined by the end user.

The dilution factors for frozen sections, ELISA and flow cytometry are much higher and it must be determined by the end user for the secondary staining or labeling reagents and specimen employed.

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

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.

SPECIAL USAGE GUIDANCE

Pepsin or trypsin digestion pre-treatment is always necessary when staining keratins. However, the use of **Innovex Signal-Enhancing Wash 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 further eliminates the need for enzyme digestion pre treatment, heat application (retrieval procedure), long incubation of primaries and repetitive procedures.

CONTINUED OVER



American MasterTech

scientific laboratory supplies

POST OFFICE BOX 2539 LODI, CALIFORNIA 95241 TELEPHONE: 1 (800) 860 4073 FACSIMILE: 1 (209) 368 4136

APPLICATIONS

This antibody is intended for use in immunolocalization of cytokeratin 19 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 cytokeratin 19. 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