



## Monoclonal Antibody to Pan Cytokeratin

### *Technical Data Sheet*

#### Reagent Category

Monoclonal primary antibody to  
Pan Cytokeratin

#### Antibody Formats Supplied

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

ITEM#: IMI21661E (Ready-To-Use)

---

**SOURCE:** Mouse scites fluid

**IMMUNOGEN:** Purified human keratins from edpidermal keratinocytes

**IMMUNOGLOBULIN ISOTYPE:** IgG1

**POSITIVE CONTROL TISSUE:** Adenocarcinoma/Breast carcinoma

**STAINING PATTERN:** Cytoplasmic

#### **REACTIVITY**

This antibody recognizes a number of low and high molecular weights Cytokeratin plypeptides, mainly, Cytokeratin 2 (65.5kD), Cytokeratin 5, Cytokeratin 6 (56kD), Cytokeratin 8 (52, 5kD), Cytokeratin 10, Cytokeratin 11 (56kD), Cytokeratin 14, Cytokeratin 15 (56kD), Cytokeratin 18 (45kD) and Cytokeratin 19 (40kD). This antibody reacts with all epithelial cells and it recognizes both keratinizing non-keratinizing squamous and glandular epithelia. This antibody is non-cross reactive with epidermal asal layer cells. This antibody is suitable for use on routinely fixed paraffin embedded and frozen sections or cell smear. When staining this antibody in routinely fixed, paraffin embedded sections no pretreatment is required (see special usage guidance of this data sheet).

#### **Antibody FORMATS, DILUTIONS and INCUBATIONS**

This monoclonal mouse anti pan cytokeratin antibody 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-diluted, Ready-to-Use: Do not dilute. Incubate for 10-30 minutes.

The above dilutions and incubation times were derived by the use of Innovex STAT-Q and HISTO-STAT 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 of heat or enzyme digestion is required with this antibody, however, the use of Innovex Enhancing Wash Buffers (Item#: IMI00596E for Immuno-Peroxidase staining or Item#: IMI00396E for Immuno-Alkaline-phosphatase staining) is also highly recommended. The use of Innovex Enhancing wash buffer further allows the user to cut primary incubation time and/or increase antibody dilution.

## APPLICATIONS

This antibody is intended for use in immunolocalization of Cytokeratin 2, 5, 6, 8, 10, 11, 14, 15, 18 and 19 in human tissue by a variety of immunoassays such as Immunochemistry, ELISA, immunofluorescence labeling, Immunoblotting, dot blotting and or use in functional assays in adhesion research. In immunochemistry, this antibody can be used in staining routinely fixed paraffin embedded or frozen histological sections for the purpose of quantitative localization of Cytokeratin mentioned above. 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 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:**



American MasterTech  
scientific laboratory supplies

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