



**Monoclonal Antibodies to
CYTOKERATIN 34 β B4
(High molecular weight Cytokeratin)**

Reagent Category

Monoclonal primary antibody to
high Molecular weight CYTOKERATIN

Antibody Formats Supplied

5ml of anti Cytokeratin 34 β B4, Ready-To-Use

PRODUCT# IMI21161E (Ready-To-Use)

SOURCE: Mouse

IMMUNOGLOBULIN ISOTYPE: IgG1

CLONE: 34 β B4

REACTIVITY

34 β B4 monoclonal antibody recognizes cytokeratin number 1, a 68 kD molecular weight cytokeratin that is often employed in the characterization of epithelial tumors. 34 β B4 antibody reacts with all squamous epithelium and squamous carcinomas but it is non-reactive with adenocarcinomas. This antibody is suitable for use on routinely fixed paraffin embedded and frozen sections and it is compatible with formalin fixed tissues.

POSITIVE CONTROL TISSUE: Skin /squamous carcinomas

STAINING PATTERN: Cytoplasmic

Antibody FORMAT, DILUTION and INCUBATION

This affinity purified monoclonal 34 β B4 antibody is provided in phosphate buffered saline pH 7.2 containing bovine serum albumin (BSA) and 0.05% sodium azide.

5ml of titered, Ready-to-Use; Do not dilute. Incubate for 30 minutes when washing with Innovex "Enhancing Wash buffer" in place of PBS or Tris buffer, otherwise trypsinize and incubate for 30 minutes.

The above dilutions and incubation times were derived by the use of Innovex STAT-Q and HISTO-STAT staining 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

Histo-staining of cytokeratins often require proteolytic enzyme digestion (pepsin or trypsin), however, the use of Innovex Signal Enhancing wash Buffers (Item#: IMI00396E for Immuno-Peroxidase staining and Item#: IMI00596E for Immuno-Alkaline-phosphatase) for the rinsing in between the incubation steps eliminates the need for enzyme digestion pre-step when staining cytokeratins antibodies.

CONTINUED OVER



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APPLICATIONS

This antibody is intended for use in immunolocalization of high molecular weight cytokeratin in human or animal tissue 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 for the purpose of qualitative localization of high molecular weight cytokeratin 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 2-8°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