



Monoclonal Antibody to Breast tumor Antigen (CA-15-3)

Technical Data Sheet

Reagent Category

Monoclonal primary antibody to Breast tumor antigen
CA-15-3

Antibody Formats Supplied

- 5 ml of anti CA- 15-3, Ready-To-Use
- 0.2 ml of anti CA-15-3, Concentrate

PRODUCT# IMI12061E (Ready-To-Use)

PRODUCT# IMI12052E (Concentrate)

SOURCE: Mouse ascites fluid

IMMUNOGLOBULIN ISOTYPE: IgG1

CLONE: M41149

IMMUNOGEN: Purified CA-15-3 glycoprotein

SPECIFICITY

CA 15-3 is a mucin-like glycoprotein also known as MAM-6. CA 15-3 has a molecular weight of approximately 400 kD and can be found on normal breast epithelium of benign and breast tumor carcinomas. This antibody also reacts with ovarian, lung and thyroid carcinomas. Gastrointestinal and pancreatic carcinomas also express CA 15-3 and stain positively with this antibody. This antibody is non-reactive with human PSA, CA 19-9, CA -125, PAP, CEA and AFP. This antibody is further non- reactive with normal gastrointestinal epithelium and gastrointestinal adenomas. This antibody is suitable for use on routinely fixed paraffin embedded and alcohol or acetone fixed cryostat (frozen) sections.

POSITIVE CONTROL TISSUE: Breast Carcinoma, ovarian carcinoma

STAINING PATTERN: Cytoplasmic staining

PRODUCT FORMAT, DILUTIONS and INCUBATIONS

This Affinity purified CA-15-3 monoclonal mouse antibody is provided in phosphate buffered saline pH 7.2 containing bovine serum albumin (BSA) and 0.05% sodium azide.

5 ml of pre-titered, Ready-to-Use, (do not dilute). Incubate for 10 minutes for frozen sections and 10-30 minutes for paraffin sections.

0.2 ml Concentrate, for 10-30 min. incubation, dilute around 1:50 to 1:100, for longer incubation time the titer should be determined by the end user. All concentrated antibodies should be titrated by the user for secondary reagents and tissues employed.

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

No pre-treatment is necessary. For optimal staining, the use of a Innovex Enhancing buffers (Item#: IMI00396E for Immuno-Peroxidase staining and Item#: IMI00596E for Immuno-Alkaline-phosphatase) is highly recommended when immunostaining paraffin sections. The use of Innovex Enhancing Wash Buffers in place of PBS or Tris buffer for the rinsing steps in between the incubation steps greatly enhances staining signals. **Its use further eliminates the need for enzyme Pre-digestion, heat application (retrieval procedure), long incubation of primary antibodies and repetitive procedures.**

APPLICATIONS

This antibody is intended for use in immunolocalization of CA-15-3 antigens by a variety of immunoassays such as Immunochemistry, 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 CA-15-3 antigens. 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