



**Monoclonal Antibody to
CA242, TUMOR ASSOCIATED MUCIN ANTIGEN**

Specification & Information Sheet

Reagent Category

Monoclonal primary antibody to CA242

Antibody Formats Supplied

- 5 ml of anti CA242, Ready-To-Use
- 0.2 ml of anti CA242, Concentrate

PRODUCT# IMI12361E (Ready-To-Use)

PRODUCT# IMI12352E (Concentrate)

SOURCE: Tissue culture supernatant

IMMUNOGLOBULIN ISOTYPE: IgG1

CLONE: Inv242

POSITIVE CONTROL TISSUE: Colorectal adenocarcinomas

REACTIVITY

CA242 antibody recognizes a sialylated carbohydrate structure that is highly expressed on tumor tissues, CA242 antigen is highly expressed in pancreatic and colonic carcinomas as well as in other adenocarcinomas. This antibody is rarely specific for normal tissues and immunohistochemical staining of normal tissues are rarely observed. In normal colonic tissue, weak staining may be observed in columnar epithelial cells and some goblet cells CA242 antibody does not cross-react with CA19-9 and CA50 antigens. This antibody is suitable for use on routinely fixed paraffin embedded or frozen sections or cell smears/ cytospins. It is compatible with formalin fixed tissues/cells and with other commonly used histological fixatives. This antibody is also suitable for use by ELISA, Immunoblotting, dot blotting and for immunofluorescence staining.

STAINING PATTERN: Extracellular membrane staining

PRODUCT FORMATS, DILUTIONS and INCUBATIONS

- 0.2 ml of concentrate;** for 30-minute incubation, dilute 1:50 for paraffin sections, for frozen sections dilute 1:00 or higher.

The dilution factor for frozen section staining and other applications cited above are considerably higher and must be determined by the end user. This antibody best stains when formalin fixed paraffin embedded sections are retrieved.

For Background-Free and easy retrieval, Innovex Uni-Trieve (60°-70°C) universal retrieval solution is highly recommended. To retrieve with Uni-Trieve: Warm up water bath to 60°-70°C and fill a slide holding container with Uni-Trieve solution. Place slides in a slide rack and immerse slides in a vessel or a coplin jar containing Uni-Trieve solution, bring the Uni-Trieve solution and slides to 60°-70°C and let slides incubate at 60°-70°C for 30 minutes. Rinse slides with 2 quick changes of water; No cooling period is required. Proceed with immunostaining.

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APPLICATIONS

This antibody is intended for use in immunolocalization of CA242 antigen by a variety of immunoassays such as Immunochemistry in human and animal tissues, 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 CA242 antigens. This antibody can also be used for quantitative flow cytometric assays in the indirect method.

SPECIES REACTIVITY

This antibody reactivity with tissues of 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.

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