



Monoclonal Antibody to Human Milk Fat Globule

Technical Data Sheet

Reagent Category

Monoclonal antibody to
Human Milk Fat Globule

Antibody Formats Supplied

- 7 ml of anti Human Milk Fat Globule, Ready-To-Use
- 0.2 ml of anti Human Milk Fat Globule, Concentrate

PRODUCT# IMI26561E (Ready-To-Use)

PRODUCT# IMI26552E (Concentrate)

SOURCE: Mouse ascites fluid

IMMUNOGLOBULIN ISOTYPE: IgG1

POSITIVE CONTROL TISSUE: Breast Carcinoma, Normal Breast

CLONE: 3.4.A3

REACTIVITY

Human milk fat globulin is secreted by the cells of mammary epithelium and other secretory cells of epithelia. This antibody is reactive with a 400kD glycoprotein

Antibody FORMATS, DILUTIONS and INCUBATIONS

This affinity purified monoclonal human milk fat globule antibody is provided in phosphate buffered saline pH 7.2 containing bovine serum albumin (BSA) and 0.05% sodium azide.

7ml of Ready-To-Use; Do not dilute. Incubate for 10-20 minutes for paraffin sections. This antibody best stains when formalin fixed paraffin embedded sections are retrieved.

For Background-Free, gentle 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 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.

0.2 ml Concentrate: The suggested starting dilution for 30-minute incubation is 1:50 for paraffin sections and 1:100 for frozen sections. The ultimate working dilution and incubation time must be determined by the end user for the incubation time and the secondary reagents employed. This antibody best stains when formalin fixed paraffin embedded sections are retrieved.

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The above dilutions and incubation times were derived by the use of Innovex STAT-Q and HISTO-STAT (2-step) 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.

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APPLICATIONS

This antibody is intended for use in immunolocalization of human milk fat globule antigens in tissue by a variety of Immunoassays such as Immunochemistry, fluorescent labeling, ELISA, Immunoblotting and dot blotting. In immunohistochemistry, this antibody can be used in staining routinely fixed paraffin embedded or frozen histological sections for the purpose of qualitative and /or quantitative localization of human milk fat globule antigens. This antibody can also be used for quantitative flow cytometric assays in the indirect method.

APPROPRIATE NEGATIVE CONTROL SERA for staining negative control slide

Employ purified normal mouse sera free of immunoglobulin, concentration at 1-5ug/ml in place of primary antibody when staining negative control slides for this antibody. Observe the same incubation time for negative control sera and primary antibody.

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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