



Monoclonal Antibody to Anti Tenascin

Technical Data Sheet

Reagent Category

Monoclonal primary antibody to
Tenascin

Antibody Formats Supplied

□ 0.2 ml of anti Tenascin, Concentrate

PRODUCT# IMI30452E (Concentrate)

SOURCE: Mouse ascites fluid

IMMUNOGEN: EGF-L sequence of human Tenascin molecule

IMMUNOGLOBULIN ISOTYPE: IgG1

CLONE: T2H5

REACTIVITY

This monoclonal mouse anti human tenascin recognizes the epitope within the N-terminal EGF-like of tenascin. Tenascin (TN)^{1,2} is a high molecular weight extracellular matrix glycoprotein that is expressed along with mesenchymal /epithelial expressions during the development of the neovascular and stroma of undifferentiated tumors. This monoclonal mouse anti human tenascin can be used for the study of tenascin's role in epithelial –mesenchymal interactions in a variety of assays such as immunohistochemistry, paraffin and frozen sections, for Immunofluorescence, flow cytometry, ELISA, immunoblotting, RIA and immunoprecipitation. It is also suitable for use on routinely fixed paraffin embedded or frozen cell smears and cytospin preparations.

POSITIVE CONTROL TISSUE: Breast carcinoma/ Lung carcinoma

Antibody FORMAT, DILUTION and INCUBATION

This affinity purified Monoclonal mouse anti Tenascin antibody is provided in phosphate buffered saline pH 7.4 containing bovine serum albumin (BSA) and 0.05% sodium azide. This antibody is available in:

□ **0.2 ml of 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.

The above dilutions and incubation times were derived by the use of Innovex STAT-Q 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 required when staining with Innovex STAT-Q or HISTO-STAT staining system, however, when staining with other detection system, a 30 minute pre-treatment with Innovex 37°C -antigen recovery solution is recommended for staining paraffin sections. The use of INNOVEX STAT staining system and INNOVEX Enhancing Wash Buffers (Item#: IMI00396E for Immuno-Peroxidase staining and Item#: IMI00596E for Immuno-Alkaline-phosphatase) eliminates the pre-treatment step with pepsin or microwaving technique. The use of INNOVEX Signal-Enhancing Wash Buffers produce great staining even for weak or overfixed tissues in a single try and without repetitive procedures. They also further allow the user to cut primary incubation time and/or increase antibody dilution.

APPLICATIONS

This antibody is intended for use in immunolocalization of Tenascin antigens in human, mouse and rat tissue by a variety of immunoassays such as Immunocytochemistry, immunofluorescence, ELISA, Immunoblotting, dot blotting, flow cytometry and for use in functional assays in adhesion research. In immunocytochemistry, this antibody can be used in staining routinely fixed paraffin embedded or frozen histological sections for the purpose of qualitative localization of Tenascin antigens. This antibody can also be used for quantitative flow cytometric assays in the indirect method.

SPECIES REACTIVITY

This antibody reactivity with human, mouse and rat 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