



Monoclonal Antibody to Alpha-Fetoprotein (AFP)

Technical Data Sheet

Reagent Category

Monoclonal primary antibody to AFP

Antibody Formats Supplied

- 7 ml of anti AFP, Ready-To-Use
- 0.2 ml of anti AFP, Concentrate

PRODUCT# IMI10861E (Ready-To-Use)

PRODUCT# IMI10852E (Concentrate)

SOURCE: Mouse ascites fluid

IMMUNOGLOBULIN ISOTYPE: IgG1

IMMUNOGEN: Purified human alpha-Fetoprotein

Clone: C3

POSITIVE CONTROL TISSUE: Fetal liver

REACTIVITY

Alpha-Fetoprotein is a 64 kD molecular weight protein produced by fetal liver hepatoma, by yolk sac tumors and by some germ cell tumors of testicular and ovarian origin. Alpha-Fetoprotein is widely studied in connection with germ cell tumors.

This antibody is suitable for use on routinely fixed paraffin embedded and frozen sections and it is compatible with formalin fixed tissues.

Antibody FORMAT, DILUTION and INCUBATION

7 ml of Ready-to-Use; Do not dilute. Incubate for 10-30 minutes.

0.2 ml of concentrate; For 10-30 minutes incubation dilute 1:50-1:100; dilutions factors may be higher for longer incubation time for paraffin sections or frozen sections; Working titer should be determined by the end user.

THE SUGGESTED STARTING DILUTION FACTORS ARE MERE GUIDELINES ONLY. OPTIMAL DILUTION FACTORS MUST BE DETERMINED BY THE END USER FOR THE SECONDARY STAINING REAGENTS AND STAINING PROTOCOL EMPLOYED.

The above dilutions and incubation times were derived by the use of Innovex STAT-Q and HISTO-STAT detection kits, For less sensitive kits these factors are to be determined by the end user for the specific detection system employed.

CONTINUED OVER



American MasterTech

scientific laboratory supplies

POST OFFICE BOX 2539 LODI, CALIFORNIA 95241 TELEPHONE: 1 (800) 860 4073 FACSIMILE: 1 (209) 368 4136

SPECIAL USAGE GUIDANCE

No pre-treatment is necessary, however, the use of a signal enhancing wash buffer in place of PBS or Tris buffer for the rinsing steps (Item#: IMI00396E for Immuno-Peroxidase staining and Item#: IMI00596E for Immuno-Alkaline-phosphatase) is highly recommended. The use of enhancing wash buffer greatly enhances staining signals even on antigenically weak tissues or for overfixed tissues. Its use further eliminates the need for repetitive procedures.

APPLICATIONS

This antibody is intended for use in immunolocalization of AFP antigen 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 AFP antigens. 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 PROFESSIONAL AND RESEARCH USE ONLY