

Monoclonal Antibody to Glial Fibrillary Acidic Protein (GFAP)

Reagent Category

Monoclonal primary antibody to GFAP

Antibody Formats Supplied

- 7 ml of anti GFAP, Ready-To-Use
- 0.5 ml of anti GFAP, Concentrate

ITEM#: IMI23661E (Ready-To-Use)

ITEM#: IMI23652E (Concentrate)

SOURCE: Mouse ascites fluid

IMMUNOGLOBULIN ISOTYPE: IgG1

IMMUNOGEN: Purified human GFAP protein

CLONE: GF-2

REACTIVITY

GFAP belongs to glial cytoplasmic filaments present in brain and spine; it is composed of a major polypeptide chain of 52 kD. GFAP is the major protein found in astrocytes. This antibody reacts with GFAP and it is suitable for use on routinely fixed paraffin embedded and frozen sections. It is compatible with formalin fixed tissues and with other commonly used histological fixatives.

POSITIVE CONTROL TISSUE: Astrocytoma

Antibody FORMATS, DILUTIONS and INCUBATIONS

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

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

The incubation of up to 30 minutes will not adversely effect the results.

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.

0.5 ml of concentrate. The working titer must be determined by the end use. For 30 minute incubation, dilute 1:50, this starting dilution factor is a mere guideline, the incubation time and the working titer must be determined by the end user for the tissue and the secondary staining reagents employed.

APPLICATIONS

This antibody is intended for use in immunolocalization of GFAP antigens in human or animal tissues by a variety of immunoassays such as Immunohistochemistry, 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 localization of GFAP surface 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 if product will be used routinely. For long term storage, aliquot in small practical volumes and freeze at -20 to -70°C. Avoid multiple freeze-thaw cycles which can greatly reduce antibody performance and stability.

IMPORTANT NOTE:

The interpretation of test results is the sole responsibility of the end user.

FOR IN VITRO RESEARCH USE ONLY

FOR ADDITIONAL TECHNICAL SUPPORT:

American MasterTech
scientific laboratory supplies

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