



Polyclonal Antibody to Myelin Basic Protein (MBP)

Technical Data Sheet

Reagent Category

Polyclonal primary antibody to MBP

PRODUCT# IMI27361E (Ready-To-Use)

PRODUCT# IMI27352E (Concentrate)

Antibody Formats Supplied

7 ml of anti MBP, Ready-To-Use

0.2 ml of anti MBP, Concentrate

SOURCE: Rabbit

IMMUNOGEN: Bovine myelic basic protein

IMMUNOGLOBULIN ISOTYPE: IgG2a

CLONE: 7H11

POSITIVE CONTROL TISSUE: Brain

REACTIVITY

Myelin proteins are among the most abundant proteins in the nervous systems. Myelin basic proteins is one of the two major classes of myelin proteins This antibody reacts with myelin basic proteins (MBPs) from human, bovine and rat tissue, This antibody is weakly reactive with rabbit tissue. This antibody is suitable for use on routinely fixed paraffin embedded and frozen sections and cytopspin preparations.

STAINING PATTERN: Cytoplasmic staining

PRODUCT FORMATS, DILUTIONS and INCUBATIONS

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

7 ml pre-diluted, Ready-to-Use, (do not dilute). Incubate for 1-2 hours (range indicates the strength of the secondary staining reagents employed).

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 and HISTO-STAT Staining 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.

SPECIAL USAGE GUIDANCE

No pre-treatment is necessary, however, for best staining results, the use of Innovex signal Enhancing Wash Buffers (Item#: IMI00396E for Immuno-Peroxidase staining and Item#: IMI00596E for Immuno-Alkaline-phosphatase) in place of PBS or Tris buffer for the rinsing steps in between the incubation steps is highly recommended. The use of Innovex Signal Enhancing Wash buffers amplifies staining signal, Eliminates the need for enzyme digestion pre- treatment, heat application (retrieval Procedure). It also shortens the incubation time for the primary antibodies without addition of any extra steps to immunostaining procedures.

CONTINUED OVER



American MasterTech

scientific laboratory supplies

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

APPLICATIONS

This antibody is intended for use in immunolocalization of myelin basic proteins in tissues by a variety of immunoassays such as Immunochemistry in human and animal tissues, ELISA, Immunoblotting and dot blotting and RIA. In immunochemistry, this antibody can be used in staining routinely fixed paraffin embedded or frozen histological sections for the purpose of qualitative localization of myelin basic proteins.

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

SPECIES REACTIVITY

This antibody reactivity with tissues of human, bovine and rat tissues 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