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MBP (Myelin Basic Protein) Antibody

Product Description

Affinity purified rabbit polyclonal anti-MBP antibody is developed with full length bovine myelin basic protein as the immunogen. The antibody is affinity purified with an immunodominant peptide (PRTPPPSQGKGRGL). The peptide sequence is identical to most isoforms of mammalian myelin basic proteins.

Species

Rabbit

Formulation

250 µg/mL in PBS, 50% glycerol

Storage & Stability

Product is stable for several weeks at 4°C. For extended storage, aliquot content and store product at -20°C. Avoid cycles of freezing and thawing. Expiration date is one year from date of shipping if properly stored.

Immunogen

Bovine myelin basic protein (MBP)

Purification

Affinity purified with pan MBP peptide (PRTPPPSQGKGRGL) on agarose

Specificity

The antibody recognizes 20 kDa bovine myelin basic proteins. The antibody may cross react with isoforms of other mammalian basic proteins as the affinity binding sequence is identical.

Applications

ELISA (0.25 - 1.0 µg/mL)

WB (0.25 - 1.0 µg/mL)

IHC

Catalog #: ICP0495

Scientific Description

Myelin consists of 80% lipid fat and 20% protein. It is an electrically insulating phospholipid layer that surrounds the axons of many neurons. Myelin basic protein (MBP) is one protein responsible for myelination of the neurons of the central nervous system.

References

1. Eylar, E. H. et al. J. Biol. Chem. 1971, 246, 18, 5770-5784.

For in vitro research use only. Not recommended or intended for diagnosis of diseases in humans or animals. Do not use in humans or in animals.

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MATERIAL SAFETY DATA SHEET

Article 1 - Product Identification and Use

Product Name: MBP (Myelin Basic Protein) Antibody**Catalog #: ICP0495**

This product is sold only for research use by qualified laboratory personnel, and is not to be used as a drug, medical device, food additive, cosmetic, nor household chemical. It is not to be used in diagnostic, therapeutic, consumer, agricultural, nor pesticidal applications.

Manufacturer's Name: ImmuneChem Pharmaceuticals Inc.
Street Address: #253-5489 Byrne Road
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EMERGENCY PHONE: 604-453-0169

Article 2 - Hazardous Ingredients

NOT AVAILABLE. We are not aware of any hazards associated with this product or its ingredients, but the chemical, physical, and toxicological properties of this product have not been investigated thoroughly. Observe normal laboratory precautions.

Article 3 - Physical Data

Transparent liquid.

Article 4 - Fire and Explosion Hazard

NOT APPLICABLE

Article 5 - Reactivity Data

- Chemical Stability: Stable under recommended storage conditions.
 - Conditions to Avoid: Light.
 - Materials to Avoid: Strong oxidizing agents.
 - Hazardous Products: Formed under fire conditions – Carbon oxides, Hydrogen bromide gas.
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Article 6 – Toxicologically Data

May be harmful by inhalation, ingestion, or skin absorption. The toxicological properties of this product have not been investigated thoroughly. Exercise due caution.

Article 7 - Preventative Measures

Wear chemical safety goggles and compatible chemical-resistant gloves. Avoid inhalation, contact with eyes, skin or clothing.

*****MULTIPLE COMPONENT SPILL OR LEAK PROCEDURES*****

- Wear protective equipment.
 - Absorb on sand or vermiculite and place in closed containers for disposal.
 - Observe all federal, state and local environmental regulations.
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Article 8 - First Aid Measures

- If swallowed, wash out mouth with water, provided person is conscious. Call a physician.
 - In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. If a rash or other irritation develops, call a physician.
 - If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.
 - In case of eye contact, flush with copious amounts of water for at least 15 minutes while separating the eyelids with fingers. Call a physician.
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Article 9 - Preparation

Prepared By: Hao Xiao

Phone #: 1-604-431-6425

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. ImmuneChem shall not be held liable for any damage resulting from handling or from contact with the above product. See the Technical Specification, Packing Slip, Invoice, and Product Catalogue for additional terms and conditions of sale.

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