ImmunoBioScience Corp. (IBSC) *DATA SHEET*

Myelin Basic Protein (MBP), Polyclonal rabbit-anti-human

**Catalog number:** RP-4015-01 0.5 ml Concentrated IgG 2 mg/ml

RP-4015-02 1.0 ml Concentrated IgG 2 mg/ml

RP-4015-04 7.0 ml Prediluted for IHC IgG ~8µg/ml

**Buffer** Total IgG purified by Protein A purified is supplied with 1% BSA in PBS with 0.05% azide, pH 7.4. The Prediluted antibody is supplied in our Universal antibody dilution buffer (AR-6526) green in color.

**Description**: Myelin Basic Protein (MBP) a 19.6 kDa highly basic protein is a major constituent of central nervous system (CNS). This protein is synthesized by oligodendrocyte and Schwann cells. MBP, Proteolipid (PLP), myelin oligodendrocyte glycoprotein (MOG) are primary encephaltogenic target antigens in multiple sclerosis. The gene for MBP is on chromosome 18; the protein localizes to CNS and to various cells of the hematopoietic system. MBP is expressed in oligodendrocyte, myelin of white matter, spinal cord and in peripheral nerves. **This antibody stains white matter and oligodendrocyte.**

**Intended Use**: Immunohistochemistry (IHC) and Immunocytchemistry (ICC)

**Storage**: 2-8°C

**Epitope:** not determined.

**Molecular weight of antigen:** 19.6 kDa

**Immunogen:** .Purified human MBP

**Species reactivity:** Human, others not tested.

**Cellular Localization:** Cytoplasmic

**Recommended positive control:** Human brain

**Application:** IHC, ICC (frozen or formalin–fixed paraffin-embedded (FFPE) tissue sections, cell smears) 1:50-1:200 using streptavidin-Biotin system or polymer system. Prediluted antibody is used directly without dilution.

The optimum dilution should be determined by the individual lab.

**General References**

1. De Rosbo, NK et.al. J Immunol.. 173: 1426, 2004
2. Penneys, NS et.al. Arch. Pathol. Lab. Med. 107: 302, 1983
3. Kudo, M et. al. Am. J. Clin. Pathol. 84: 741,1985
4. Zecevi, N et.al. Brain res. 105: 97, 1998

**Limitation and warranty:** Our warranty is limited to the actual price paid for the product. We are not liable for any property damage, personnel injury, time, effort or economic loss due to our product.

**MSDS:** This product contains 0.05 % sodium azide as a preservative, appropriate care should be taken in handling. National Institute of Occupational Safety and Health has warning that sodium azide can react with lead, copper, brass or solder in the plumbing system and forms hydrazoic acid in acidic condition. Discard with copious amount of water. Avoid skin and eye contact with all laboratory products. Use appropriate lab. gear, lab coat , gloves and safety glasses. Do not ingest any lab. products. This product is not approved for administration in human or animals.

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