

## Datasheet: 6420-0100

<b>Description:</b>	NATIVE BOVINE MBP
<b>Name:</b>	MBP
<b>Other names:</b>	MYELIN BASIC PROTEIN
<b>Format:</b>	Purified
<b>Product Type:</b>	Purified Protein
<b>Quantity:</b>	5 mg

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using the appropriate negative/positive controls.

<b>Target Species</b>	Bovine
<b>Product Form</b>	Purified protein from bovine brain - lyophilised
<b>Reconstitution</b>	Reconstitute with 1ml of 10mM HCl.
<b>Buffer Solution</b>	Essentially salt free
<b>Preservative Stabilisers</b>	None Present.

### External Database Links

#### UniProt:

[P02687](#)    [Related reagents](#)

#### Entrez Gene:

[618684](#) MBP    [Related reagents](#)

### Product Information

Myelin Basic Protein is one of the most abundant proteins of the myelin membrane in the central nervous system. It plays a role in nerve myelination. MBP may play a role in

demyelinating diseases including Multiple Sclerosis.

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**Purity** SDS PAGE: >90%

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**Instructions For Use** MBP is a 'sticky' molecule. Glass vials should be used and care should be taken when diluting or transferring this product to avoid loss.

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**References**

1. Addison, G.M. *et al.* (1984) Fragments of myelin basic protein derived from human brain are not mitogenic in cultures of human amniotic fluid cells and other cells. [Horm Metab Res. 16 \(6\): 311-4.](#)
2. Lutz, D. *et al.* (2014) Myelin basic protein cleaves cell adhesion molecule I1 and promotes neuritogenesis and cell survival. [J Biol Chem. 289: 13503-18.](#)
3. Lutz, D. *et al.* (2015) Myelin Basic Protein Cleaves Cell Adhesion Molecule L1 and Improves Regeneration After Injury. [Mol Neurobiol. Jun 17. \[Epub ahead of print\]](#)

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**Storage** Prior to reconstitution store at +4°C.  
After reconstitution store at -20°C.  
Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the protein. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Guarantee** 6 months from date of despatch.

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**Health And Safety Information** Material Safety Datasheet documentation #10154 available at: 10154: <https://www.bio-rad-antibodies.com/uploads/MSDS/10154.pdf>

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**Regulatory** For research purposes only

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