

Datasheet: MCA70

BATCH NUMBER 160128

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| Description: | MOUSE ANTI BOVINE MBP (aa129-138) |
| Specificity: | MBP (aa129-138) |
| Other names: | MYELIN BASIC PROTEIN |
| Format: | S/N |
| Product Type: | Monoclonal Antibody |
| Clone: | 1 |
| Isotype: | IgG2a |
| Quantity: | 2 ml |

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.

| | Yes | No | Not Determined | Suggested Dilution |
|----------------------------|-----|----|----------------|--------------------|
| Flow Cytometry | | | ▪ | |
| Immunohistology - Frozen | ▪ | | | 1/10 |
| Immunohistology - Paraffin | | | ▪ | |
| ELISA | ▪ | | | 1/200 - 1/1000 |
| Immunoprecipitation | | | ▪ | |
| Western Blotting | | | ▪ | |

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 appropriate negative/positive controls.

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| Target Species | Bovine |
| Species Cross Reactivity | <p>Reacts with: Rat, Human</p> <p>N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.</p> |
| Product Form | Tissue Culture Supernatant - liquid |
| Preparation | Tissue Culture Supernatant containing 0.1M Tris/HCl pH7.4 and 5-10% foetal calf serum |

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| Preservative Stabilisers | 0.05% Sodium Azide |
| Immunogen | Bovine Myelin Basic Protein (MBP). |
| External Database Links | <p>UniProt: P02687 Related reagents</p> <p>Entrez Gene: 618684 MBP Related reagents</p> |
| RRID | AB_2140358 |
| Fusion Partners | Spleen cells from immunised NIH mice were fused with cells of the NS0 mouse myeloma cell line. |
| Specificity | <p>Mouse anti Bovine MBP (aa129-138) antibody, clone 1 recognizes myelin basic protein (MBP). Clone 1 is reactive with an epitope in the 129-138 region of the human MBP molecule. The numbering of MBP residues is that as described by Martenson Martenson, R. E., 1984.</p> <p>Clone 1 (129-138) has been reported as being suitable for Western blotting.</p> |
| References | <ol style="list-style-type: none"> Groome, N. <i>et al.</i> (1985) Preparation and properties of monoclonal antibodies to myelin basic protein and its peptides. Neurochem Int. 7 (2): 309-17. Martenson, R. E. (1984) Experimental allergic encephalomyelitis. A useful model for multiple sclerosis. In Alvord, E. C. <i>et al.</i> (Eds). Wiley, New York, pp273-289. Groome, N.P. <i>et al.</i> (1986) Region-specific immunoassays for human myelin basic protein. J Neuroimmunol. 12 (4): 253-64. Marignier, R. <i>et al.</i> (2010) Oligodendrocytes are damaged by neuromyelitis optica immunoglobulin G via astrocyte injury. Brain. 133 (9): 2578-91. Brunner, C. <i>et al.</i> (1989) Differential ultrastructural localization of myelin basic protein, myelin/oligodendroglial glycoprotein, and 2',3'-cyclic nucleotide 3'-phosphodiesterase in the CNS of adult rats. J Neurochem. 52: 296-304. Jatana, M. <i>et al.</i> (2006) Combination of systemic hypothermia and N-acetylcysteine attenuates hypoxic-ischemic brain injury in neonatal rats. Pediatr Res. 59: 684-9. Chujor, C.S. <i>et al.</i> (1991) Serum antibodies against peripheral nervous system antigens in leprosy. Int J Lepr Other Mycobact Dis. 59: 590-7. |
| Storage | <p>Store at +4°C or at -20°C if preferred.</p> <p>This product should be stored undiluted.</p> <p>Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p> |

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| Guarantee | 12 months from date of despatch |
| Health And Safety Information | Material Safety Datasheet documentation #10336 available at: https://www.bio-rad-antibodies.com/SDS/MCA70 10336 |
| Regulatory | For research purposes only |

Related Products

Recommended Secondary Antibodies

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| Rabbit Anti Mouse IgG (STAR12...) | RPE |
| Goat Anti Mouse IgG IgA IgM (STAR87...) | Alk. Phos. , HRP |
| Goat Anti Mouse IgG (STAR76...) | RPE |
| Rabbit Anti Mouse IgG (STAR13...) | HRP |
| Goat Anti Mouse IgG (STAR70...) | FITC |
| Goat Anti Mouse IgG (H/L) (STAR117...) | Alk. Phos. , DyLight@488 , DyLight@550 , DyLight@650 , DyLight@680 , DyLight@800 , FITC , HRP |
| Goat Anti Mouse IgG (Fc) (STAR120...) | FITC , HRP |
| Goat Anti Mouse IgG (STAR77...) | HRP |
| Rabbit Anti Mouse IgG (STAR9...) | FITC |

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| North & South America | Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com | Worldwide | Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com | Europe | Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com |
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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M368796:200529'

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