

Datasheet: MCA70

BATCH NUMBER 157909

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.

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

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"> 1. 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. 2. 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. 3. Groome, N.P. <i>et al.</i> (1986) Region-specific immunoassays for human myelin basic protein. J Neuroimmunol. 12 (4): 253-64. 4. Marignier, R. <i>et al.</i> (2010) Oligodendrocytes are damaged by neuromyelitis optica immunoglobulin G via astrocyte injury. Brain. 133 (9): 2578-91. 5. 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. 6. 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. 7. 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>

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/MCA7010336
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	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
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP

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