

Datasheet: MCA184S

Description:	MOUSE ANTI MBP (aa119-131)
Specificity:	MBP (aa119-131)
Other names:	MYELIN BASIC PROTEIN
Format:	S/N
Product Type:	Monoclonal Antibody
Clone:	2
Isotype:	IgG1
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	▪			
Immunohistology - Paraffin			▪	
ELISA	▪			
Immunoprecipitation			▪	
Western Blotting			▪	

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls. Clone 2 has also been reported to work in Western Blotting.

Target Species

Bovine

Species Cross Reactivity

Reacts with: Rabbit, Rat, Sheep, Pig, Human, Guinea Pig

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.

Product Form

Tissue Culture Supernatant - liquid

Preparation

Tissue Culture Supernatant containing 0.2M Tris/HCl pH7.4 and 5-10% foetal calf serum

Preservative Stabilisers	0.1% Sodium Azide
Immunogen	Bovine myelin basic protein.
External Database Links	<p>UniProt: P02687 Related reagents</p> <p>Entrez Gene: 618684 MBP Related reagents</p>
RRID	AB_322319
Fusion Partners	Spleen cells from immunised NIH/Ola mice were fused with cells of the NS0 mouse myeloma cell line.
Specificity	Mouse anti MBP antibody, clone 2 recognizes bovine myelin basic protein, also known as 20 kDa microtubule-stabilizing protein. MBP is a 169 amino acid component of the myelin membrane. Mouse anti MBP antibody, clone 2 binds to an epitope located in the region of residues 119-131 (GAEGQRPGFGYGG) .
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. Martensen, R.W. (1984) .A useful model for multiple sclerosis (in Experimental Allergic Encephalomyelitis Alvord E.C., Kies, M.W. and Suckling, A.J. eds). pp 511-521 Alan Liss N.Y. Groome, N.P. <i>et al.</i> (1986) Region-specific immunoassays for human myelin basic protein. J Neuroimmunol. 12 (4): 253-64. Scherer, S.S. <i>et al.</i> (1995) Periaxin expression in myelinating Schwann cells: modulation by axon-glia interactions and polarized localization during development Development. 121: 4265-73. Saitta, K.S. <i>et al.</i> (2021) CHPG enhances BDNF and myelination in cuprizone-treated mice through astrocytic metabotropic glutamate receptor 5. Glia. Apr 03 [Epub ahead of print].
Storage	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10336 available at: 10336: https://www.bio-rad-antibodies.com/uploads/MSDS/10336.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Rabbit Anti Mouse IgG (STAR8...)	DyLight@800
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (STAR70...)	FITC
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight@488 , DyLight@550 , DyLight@650 , DyLight@680 , DyLight@800 , FITC , HRP

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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
'M387983:210803'

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