

## Datasheet: 6418-0606

<b>Description:</b>	MOUSE ANTI MYELIN (OLIGODENDROCYTES+CNS)
<b>Specificity:</b>	MYELIN (OLIGODENDROCYTES+CNS)
<b>Format:</b>	Ascites
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	CE-1 (4A9)
<b>Isotype:</b>	IgM
<b>Quantity:</b>	0.1 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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
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.

### Species Cross Reactivity

Reacts with: Chicken, Ferret, Rat, Human, Monkey, Mouse, Cat

**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

Ascitic Fluid - raw

### Preservative Stabilisers

None present

### Immunogen

Rat glial membranes and whole brain white matter.

### RRID

AB\_620602

### Fusion Partners

Spleen cells from immunized mice were fused with cells of the AG8 murine myeloma.

**Specificity** **Mouse anti Rat CNS myelin antibody, clone CE-1** recognizes myelin/oligodendrocyte-specific protein (MOSP), a ~48 kDa membrane protein expressed exclusively in oligodendrocytes ([Mu and Dyer 1994](#)). In rat neonates Mouse anti Rat CNS myelin antibody, clone CE-1 recognizes oligodendrocytes but does not label type 1 astrocytes. Mouse anti Rat CNS myelin antibody, clone CE-1 also recognizes CNS myelin and oligodendrocytes, and does not cross react with peripheral myelin.

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**Histology Positive Control Tissue** Rat brain

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**References**

1. Dyer, C.A. & Matthieu, J.M. (1994) Antibodies to myelin/oligodendrocyte-specific protein and myelin/oligodendrocyte glycoprotein signal distinct changes in the organization of cultured oligodendroglial membrane sheets. [J Neurochem. 62 \(2\): 777-87.](#)
2. Mu, Q.Q. & Dyer, C. (1994) Developmental expression of MOSP in cultured oligodendrocytes. [Neurochem Res. 19 \(8\): 1033-8.](#)

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**Storage** Store at -20°C only.  
Storage in frost-free freezers is not recommended.  
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Guarantee** 12 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #10194 available at: 10194: <https://www.bio-rad-antibodies.com/uploads/MSDS/10194.pdf>

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**Regulatory** For research purposes only

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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](https://www.bio-rad-antibodies.com/datasheets)  
'M387900:210729'

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