Datasheet: 6418-0606

Description:	MOUSE ANTI MYELIN (OLIGODENDROCYTES+CNS)
Specificity:	MYELIN (OLIGODENDROCYTES+CNS)
Format:	Ascites
Product Type:	Monoclonal Antibody
Clone:	CE-1 (4A9)
Isotype:	IgM
Quantity:	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.

	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.

Product Form

Ascitic Fluid - raw

Preservative Stabilisers

None present

Immunogen

Rat glial membranes and whole brain white matter.

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.

Histology Positive Control Tissue

Rat brain

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.
Storage	Store at -20^{o}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.
Shelf Life	12 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10194 available at: 10194: https://www.bio-rad-antibodies.com/uploads/MSDS/10194.pdf
Regulatory	For research purposes only

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