

**MOUSE ANTI-MYELIN/OLIGODENDROCYTE SPECIFIC PROTEIN  
MONOCLONAL ANTIBODY**

- CATALOG NO:** MAB328
- LOT NUMBER:**
- QUANTITY:** 100 µL
- SPECIFICITY:** In neonatal rat glia MAB328 stains oligodendrocytes and does not react with type 1 astrocytes, type 2 astrocytes or fibroblasts. Does not stain cultures of rat Schwann cells.  
In tissue sections MAB328 labels oligodendrocytes and CNS myelin with no labeling of peripheral myelin.
- IMMUNOGEN:** Rat glial membranes and whole brain white matter.
- ISOTYPE:** IgM
- APPLICATIONS:** Immunocytochemistry  
Immunohistochemistry at 1:1,000-1:5000  
Not suggested for use in Western blot.  
Optimal working dilutions must be determined by end user.
- SPECIES REACTIVITIES:** Chick, mouse, rat, ferret, cat, monkey and human.
- FORMAT:** Ascites fluid.
- STORAGE/HANDLING:** Maintain at -20°C in undiluted aliquots for up to 12 months after date of receipt. Avoid repeated freeze/thaw cycles.
- REFERENCES:** *J. Neuroscience Research* (1991) **28**:607-613.  
*Neuron* (1995) **14**:717-730.  
*Neuroscience* (1995) **67**:1009-1019.  
Maxeiner, S., et al., *Neuroscience* (2003) **119**:689-700.  
Dietrich, J., et al., *Journal of Neuroscience* (2004) **24**:4875-4883.

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### IMMUNOHISTOCHEMISTRY PROTOCOL FOR MAB328

This antibody has been used successfully on 30  $\mu$ m, free floating, 4% paraformaldehyde fixed rat brain tissue. All steps are performed under constant agitation. Suggested protocol follows.

- 1) 3 x 10 minute washes in TBS (with or without 0.25% Triton).
- 2) Incubate for 30 minutes in TBS with 3% serum (same as host from secondary antibody).
- 3) Incubate primary antibody diluted appropriately in TBS with 1% serum (same as host from secondary antibody) (with or without 0.25% Triton) for 2 hours at room temperature followed by 16 hours at 4°C.
- 4) 3 x 10 minute washes in TBS.
- 5) Incubate with secondary antibody diluted appropriately in TBS with 1% serum (same as host from secondary antibody).
- 6) 3 x 10 minute washes in TBS.
- 7) ABC Elite (1:200 Vector Labs) in TBS.
- 8) 2 x 10 minute washes in TBS.
- 9) 1 x 10 minute wash in phosphate buffer (no saline).
- 10) DAB reaction with 0.06% NiCl added for intensification.
- 11) 2 x 10 minute washes in PBS.
- 12) 1 x 10 minute wash in phosphate buffer (no saline).

**Important Note:** *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200  $\mu$ l or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

Have you published a paper using a Chemicon primary antibody? You may be eligible for credit toward future purchases of Chemicon products!  
Contact our Technical Service department for more information.

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