

**MOUSE ANTI-OLIGODENDROCYTE MARKER 01
MONOCLONAL ANTIBODY**

CATALOG NUMBER:	MAB344 (formerly Roche Catalog Number 1451014)	QUANTITY:	50 µg
LOT NUMBER:		CONCENTRATION:	1 mg/mL
CLONE NAME:	59	HOST/ISOTYPE:	IgM
SPECIFICITY:	Oligodendrocyte marker 01. Also reacts with certain galactolipids in sperm.		
APPLICATIONS:	Immunohistochemistry: 10-20 µg/mL on unfixed, shock frozen tissue. Note: 01 is a lipid which is released from the membrane by alcohol. <i>Optimal working dilutions must be determined by the end user.</i>		
SPECIES REACTIVITY:	Rat, human, mouse and chicken. Reactivity with other species has not been confirmed.		
IMMUNOGEN:	White matter of corpus callosum from rat brain.		
PRESENTATION:	Purified immunoglobulin presented as a liquid in 0.05 M Potassium Phosphate, pH 8.0, 0.3 M NaCl, with 0.05% sodium azide.		
STORAGE/HANDLING:	Maintain at +2-8°C in undiluted aliquots for up to 6 months from date of receipt.		
REFERENCES:	<p>Ishibashi, T. <i>et al.</i> (2006). Astrocytes promote myelination in response to electrical impulses. <i>Neuron</i> 49(6): 823-832.</p> <p>Barberi, T. <i>et al.</i> (2003). Neural subtype specification of fertilization and nuclear transfer embryonic stem cells and application in parkinsonian mice. <i>Nat. Neurosci.</i> 21(10): 1200-1207.</p> <p>Cai, Z. <i>et al.</i> (2001). Chronic ischemia preferentially causes white matter injury in the neonatal rat brain. <i>Brain Research</i> 898: 126-135.</p> <p>Hugnot, JP <i>et al.</i> (2001). Direct cell-cell interactions control apoptosis and oligodendrocyte marker expression of neuroepithelial cells. <i>J Neurosci Res</i> 65(3): 195-207.</p> <p>Gadella B. M. <i>et al.</i> (1994). Visualization and quantification of glycolipid polarity dynamics in the plasma membrane of the mammalian spermatozoon. <i>J. Cell Sci.</i> 107: 2151-2163.</p> <p>Schachner, M. <i>et al.</i> (1981). Developmental expression in central and peripheral nervous system of oligodendrocyte cell surface antigens (O antigens) recognized by monoclonal antibodies. <i>Dev. Biol.</i> 83: 328-338.</p> <p>Sommer I and Schachner M. (1981). Monoclonal antibodies (O1 to O4) to oligodendrocyte cell surfaces: an immunocytological study in the central nervous system. <i>Dev. Biol.</i> 83: 311-327.</p>		



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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 μ 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.*

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