

## Monoclonal Antibody to Myelin oligodendrocyte glycoprotein (MOG) - Purified

<b>Alternate names:</b>	DM3148, MOSP
<b>Catalog No.:</b>	AM00213PU-N
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	0.2 mg/ml
<b>Background:</b>	Myelin/oligodendrocyte-specific protein (MOSP) (pI of ~6.7) is found exclusively on oligodendrocytes and myelin in the central nervous system (CNS). Myelin is produced by oligodendrocytes in the CNS and Schwann cells in the peripheral nervous system (PNS). Defining the differences between CNS and PNS myelin may provide insights into the process of myelination and the pathogenesis of certain idiopathic diseases involving myelin such as multiple sclerosis, certain leukodystrophies, and other myelinopathies. On de-myelination, immunoreactivity for MOSP, like MBP, is lost.
<b>Host / Isotype:</b>	Mouse / IgM
<b>Recommended Isotype Controls:</b>	SM13P
<b>Clone:</b>	CE1
<b>Immunogen:</b>	Glial Membrane Proteins followed by Rat CNS White Matter.
<b>Format:</b>	<b>State:</b> Liquid <b>Purification:</b> Immunoglobulin fraction, purified from the bioreactor concentrate by ammonium sulfate precipitation <b>Buffer System:</b> 10mM PBS with 0.09% sodium azide as preservative and 0.2% BSA as stabilizer.
<b>Applications:</b>	Immunofluorescence and Immunohistology (Frozen sections only). Recommended positive control: Brain. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	Reacts with MOSP of several species. Cellular Localization: cell membrane. Mol. Wt of Antigen: 48kD. <b>Species:</b> Human, Monkey, Cat, Rat, Mouse, Ferret, and Chicken. Other species not tested.
<b>Storage:</b>	Store at 2-8°C for up to one month or in aliquots at -20°C for longer. Avoid repeated freeze thaw cycles! Shelf life: one year from despatch.
<b>General Readings:</b>	1. Dyer CA; Hickey WF; Geisert EE Jr. Journal of Neuroscience Research, 1991 Apr, 28(4):607-13.