

## Monoclonal Antibody to Oligodendrocytes - Purified

<b>Catalog No.:</b>	AM00507PU-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 / IgG1
<b>Recommended Isotype Controls:</b>	SM10P (for use in human samples), SM20P (for use in rat samples), AM03095PU-N
<b>Clone:</b>	HPC-7
<b>Immunogen:</b>	Rat hippocampal membranes
<b>Format:</b>	<b>State:</b> Liquid purified Ig fraction <b>Purification:</b> Protein G chromatography <b>Buffer System:</b> 10 mM PBS, pH 7.4, with 0.2 % BSA and 0.09 % sodium azide
<b>Applications:</b>	Immunofluorescence. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody detects Oligodendrocyte. <b>Species:</b> Human, Rat. Other species not tested.
<b>Add. Information:</b>	Mol. Wt. of Antigen: 66 kDa (rat oligodendrocytes) and 100 kDa (adult myelin) Cellular Localization: Cell membrane
<b>Storage:</b>	Store the antibody at 2 - 8 °C up to one month or in aliquots at -20 °C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>General Readings:</b>	1. Baas D, (1998) GLIA, 23:169-179. 2. Fried Man B, et al. (1989) GLIA, 2:380-390.