

MBP Monoclonal Antibody

CATALOG NO:	A1033-100
AMOUNT:	100 µg (1 mg/ml)
ALTERNATE NAMES:	Myelin A1 protein, Myelin membrane encephalitogenic protein
CLONE:	4C6
HOST/ISOTYPE:	Mouse IgG
SPECIES REACTIVITY:	Human
PURIFICATION:	Affinity purified using protein G
FORM:	Liquid
FORMULATION:	Supplied in 0.01M Tris-HCl, pH 8.0, 0.15M NaCl, and 0.02% sodium azide. Protein was determined by OD280 absorbance.
STORAGE CONDITIONS:	Store at 4°C. For long term storage, aliquot and freeze at -20°C. Avoid repeated freeze/thaw cycles.
DESCRIPTION:	The classic group of MBP isoforms (isoform 4-isoform 14) are with PLP the most abundant protein components of the myelin membrane in the CNS. They have a role in both its formation and stabilization. The smaller isoforms might have an important role in remyelination of denuded axons in multiple sclerosis. The non-classic group of MBP isoforms (isoform 1-isoform 3/Golli-MBPs) may preferentially have a role in the early developing brain long before myelination, maybe as components of transcriptional complexes, and may also be involved in signaling pathways in T-cells and neural cells. Differential splicing events combined with optional post-translational modifications give a wide spectrum of isomers, with each of them potentially having a specialized function. Induces T-cell proliferation.
APPLICATION:	Western blot
	Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.

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