

## Anti-MBP Monoclonal Antibody (B5V6)

Catalog #: ASPF28

### Product Details

<b>Product Description:</b>	This antibody binds to aa 130-156 of human MBP. It's validated in ELISA. Azide-free with low endotoxin, it is suitable for MS biomarker assays and CNS injury models.
<b>Host Species:</b>	Human
<b>Target:</b>	MBP
<b>Target Species:</b>	Human
<b>Specificity:</b>	This antibody reacts with Human MBP.
<b>Species Reactivity:</b>	Human
<b>Clonality:</b>	Monoclonal
<b>Clone ID:</b>	B5V6
<b>Purification:</b>	The antibody was purified by affinity chromatography.
<b>Purity:</b>	>95% as determined by SDS-PAGE
<b>Aggregation:</b>	<5% as determined by SEC

### Formulation Information

<b>Sterility:</b>	0.2 µM filtered
<b>Preservative:</b>	BSA and Azide free.
<b>Stabilizer:</b>	None

### Applications

<b>Applications:</b>	Enzyme-linked Immunosorbent Assay
<b>Note:</b>	Optimal dilutions/concentrations should be determined by the end user.

### Storage & Handling

<b>Shipping:</b>	Shipped at 4°C.
<b>Storage:</b>	This antibody can be stored at 2°C-8°C for one month. Upon delivery aliquot. For longer storage, store at -20°C. Avoid repeated freeze-thaw cycles.

### Target Details

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<b>Gene Symbol:</b>	MBP
<b>Protein Name:</b>	Myelin Basic Protein
<b>Introduction:</b>	<p>The protein encoded by the classic MBP gene is a major constituent of the myelin sheath of oligodendrocytes and Schwann cells in the nervous system. However, MBP-related transcripts are also present in the bone marrow and the immune system. These mRNAs arise from the long MBP gene (otherwise called "Golli-MBP") that contains 3 additional exons located upstream of the classic MBP exons. Alternative splicing from the Golli and the MBP transcription start sites gives rise to 2 sets of MBP-related transcripts and gene products. The Golli mRNAs contain 3 exons unique to Golli-MBP, spliced in-frame to 1 or more MBP exons. They encode hybrid proteins that have N-terminal Golli aa sequence linked to MBP aa sequence. The second family of transcripts contain only MBP exons and produce the well characterized myelin basic proteins. This complex gene structure is conserved among species suggesting that the MBP transcription unit is an integral part of the Golli transcription unit and that this arrangement is important for the function and/or regulation of these genes.</p>
<b>Alternative Names:</b>	Myelin Basic Protein; Myelin Membrane Encephalitogenic Protein; Myelin A1 Protein; Golli-MBP
<b>Gene ID:</b>	<a href="#">4155</a>
<b>UniProt:</b>	<a href="#">P02686</a>
<b>Related Disease:</b>	Multiple Sclerosis
<b>Subcellular Location:</b>	Cell membrane, Membrane, Nucleus
<b>Cell Line Specificity:</b>	Cancer enriched
<b>Function:</b>	Myelin Basic Protein, a key component of the myelin sheath in the nervous system.

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