# Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 1, 2025

## MBP antibody

RRID:AB_325004
Type: Antibody

### Proper Citation

(Bio-Rad Cat# MCA409S, RRID:AB_325004)

### Antibody Information

**URL:** http://antibodyregistry.org/AB_325004

**Proper Citation:** (Bio-Rad Cat# MCA409S, RRID:AB_325004)

**Target Antigen:** MBP

**Host Organism:** rat

**Clonality:** monoclonal

**Comments:** Applications: ELISA, Immunofluorescence, Radioimmunoassays, Western Blotting

**Antibody Name:** MBP antibody

**Description:** This monoclonal targets MBP

**Target Organism:** Human, Rat, Rabbit, Pig, Guinea Pig, Mouse, Sheep, Chicken

**Clone ID:** 12

**Antibody ID:** AB_325004

**Vendor:** Bio-Rad

**Catalog Number:** MCA409S

**Record Creation Time:** 20231110T081409+0000

**Record Last Update:** 20241115T012501+0000

## Ratings and Alerts

No rating or validation information has been found for MBP antibody.

No alerts have been found for MBP antibody.

## Data and Source Information

**Source:** Antibody Registry

## Usage and Citation Metrics

We found 50 mentions in open access literature.

**Listed below are recent publications.** The full list is available at FDI Lab - SciCrunch.org.


Kang M, et al. (2024) Oligodendrocyte-derived laminin-?1 regulates the blood-brain barrier and CNS myelination in mice. Cell reports, 43(5), 114123.

Islam R, et al. (2024) Early adversity causes sex-specific deficits in perforant pathway connectivity and contextual memory in adolescent mice. Biology of sex differences, 15(1), 39.

Ghosh T, et al. (2024) A retroviral link to vertebrate myelination through retrotransposon-RNA-mediated control of myelin gene expression. Cell, 187(4), 814.

Philp AR, et al. (2024) Circulating platelets modulate oligodendrocyte progenitor cell differentiation during remyelination. eLife, 12.

Cai Y, et al. (2024) Embryonic origins of forebrain oligodendrocytes revisited by combinatorial genetic fate mapping. eLife, 13.

Cunningham ME, et al. (2023) Axolemmal nanoruptures arising from paranodal membrane injury induce secondary axon degeneration in murine Guillain-Barré syndrome. Journal of the peripheral nervous system : JPNS, 28(1), 17.

Altounian M, et al. (2023) Neuronal miR-17-5p contributes to interhemispheric cortical connectivity defects induced by prenatal alcohol exposure. Cell reports, 42(9), 113020.

Donovan APA, et al. (2023) Pervasive cortical and white matter anomalies in a mouse model for CHARGE syndrome. Journal of anatomy.

Ye D, et al. (2023) Intrauterine desensitization enables long term survival of human oligodendrocyte progenitor cells without immunosuppression. iScience, 26(5), 106647.

McGonigal R, et al. (2023) The endogenous calpain inhibitor calpastatin attenuates axon degeneration in murine Guillain-Barré syndrome. Journal of the peripheral nervous system :

JPNS, 28(1), 4.

Sobierajski E, et al. (2023) Development of myelin in fetal and postnatal neocortex of the pig, the European wild boar Sus scrofa. Brain structure & function, 228(3-4), 947.

Werner L, et al. (2023) A Novel Ex Vivo Model to Study Therapeutic Treatments for Myelin Repair following Ischemic Damage. International journal of molecular sciences, 24(13).

Tickle JA, et al. (2023) A benchtop brain injury model using resected donor tissue from patients with Chiari malformation. Neural regeneration research, 18(5), 1057.

Kaplanis SI, et al. (2023) Nicotinamide enhances myelin production after demyelination through reduction of astrogliosis and microgliosis. Frontiers in cellular neuroscience, 17, 1201317.

Hoi KK, et al. (2023) Primary cilia control oligodendrocyte precursor cell proliferation in white matter injury via Hedgehog-independent CREB signaling. Cell reports, 42(10), 113272.

Campbell CI, et al. (2022) Complement inhibition prevents glial nodal membrane injury in a GM1 antibody-mediated mouse model. Brain communications, 4(6), fcac306.

McGonigal R, et al. (2022) Schwann cell nodal membrane disruption triggers bystander axonal degeneration in a Guillain-Barré syndrome mouse model. The Journal of clinical investigation, 132(14).

Bauch J, et al. (2022) The Extracellular Matrix Proteins Tenascin-C and Tenascin-R Retard Oligodendrocyte Precursor Maturation and Myelin Regeneration in a Cuprizone-Induced Long-Term Demyelination Animal Model. Cells, 11(11).

Battis K, et al. (2022) CSF1R-Mediated Myeloid Cell Depletion Prolongs Lifespan But Aggravates Distinct Motor Symptoms in a Model of Multiple System Atrophy. The Journal of neuroscience : the official journal of the Society for Neuroscience, 42(40), 7673.

Cunningham ME, et al. (2022) Real time imaging of intra-axonal calcium flux in an explant mouse model of axonal Guillain-Barré syndrome. Experimental neurology, 355, 114127.