

Resource Summary Report

Generated by [RRID](#) on Sep 4, 2026

Mouse Anti-Myelin Basic Protein Monoclonal Antibody, Unconjugated, Clone SMI-94

RRID:AB_510039

Type: Antibody

Proper Citation

Covance Cat# SMI-94R-100, RRID:AB_510039

Antibody Information

URL: http://antibodyregistry.org/AB_510039

Proper Citation: Covance Cat# SMI-94R-100, RRID:AB_510039

Target Antigen: Myelin Basic Protein

Host Organism: mouse

Clonality: monoclonal

Comments: functionality unknown, check validation data for this product with vendor

Antibody Name: Mouse Anti-Myelin Basic Protein Monoclonal Antibody, Unconjugated, Clone SMI-94

Description: This monoclonal targets Myelin Basic Protein

Target Organism: other, feline, rat, hamster, simian, donkey, porcine, canine, goat, mouse, rabbit, bovine, human, sheep

Clone ID: Clone SMI-94

Antibody ID: AB_510039

Vendor: Covance

Catalog Number: SMI-94R-100

Record Creation Time: 20231110T044325+0000

Record Last Update: 20260829T031711+0000

Ratings and Alerts

No rating or validation information has been found for Mouse Anti-Myelin Basic Protein Monoclonal Antibody, Unconjugated, Clone SMI-94.

No alerts have been found for Mouse Anti-Myelin Basic Protein Monoclonal Antibody, Unconjugated, Clone SMI-94.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 21 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Trimarco A, et al. (2026) Prostaglandin D2 Synthase Controls Schwann Cells Metabolism and Peripheral Myelin Homeostasis. *Glia*, 74(3), e70137.

Trimarco A, et al. (2024) Prostaglandin D2 synthase controls Schwann cells metabolism. *bioRxiv* : the preprint server for biology.

Benoit MR, et al. (2023) Postnatal neuronal Bace1 deletion impairs neuroblast and oligodendrocyte maturation. *Human molecular genetics*, 32(7), 1193.

Dupree JL, et al. (2022) Lanthionine Ketimine Ethyl Ester Accelerates Remyelination in a Mouse Model of Multiple Sclerosis. *ASN neuro*, 14, 17590914221112352.

Dragic M, et al. (2022) Expression of Ectonucleoside Triphosphate Diphosphohydrolase 2 (NTPDase2) Is Negatively Regulated Under Neuroinflammatory Conditions In Vivo and In Vitro. *ASN neuro*, 14, 17590914221102068.

Trifunovic S, et al. (2021) The Function of the Hypothalamic-Pituitary-Adrenal Axis During Experimental Autoimmune Encephalomyelitis: Involvement of Oxidative Stress Mediators. *Frontiers in neuroscience*, 15, 649485.

Fredrickx E, et al. (2020) Ablation of neuronal ADAM17 impairs oligodendrocyte differentiation and myelination. *Glia*, 68(6), 1148.

Dragic M, et al. (2020) Theta burst stimulation ameliorates symptoms of experimental autoimmune encephalomyelitis and attenuates reactive gliosis. *Brain research bulletin*, 162, 208.

Forese MG, et al. (2020) Prostaglandin D2 synthase modulates macrophage activity and accumulation in injured peripheral nerves. *Glia*, 68(1), 95.

De Rossi P, et al. (2020) Neuronal BIN1 Regulates Presynaptic Neurotransmitter Release and Memory Consolidation. *Cell reports*, 30(10), 3520.

Zonouzi M, et al. (2019) Individual Oligodendrocytes Show Bias for Inhibitory Axons in the Neocortex. *Cell reports*, 27(10), 2799.

Cheli VT, et al. (2018) The Divalent Metal Transporter 1 (DMT1) Is Required for Iron Uptake and Normal Development of Oligodendrocyte Progenitor Cells. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 38(43), 9142.

Florio F, et al. (2018) Sustained Expression of Negative Regulators of Myelination Protects Schwann Cells from Dysmyelination in a Charcot-Marie-Tooth 1B Mouse Model. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 38(18), 4275.

Petersen MA, et al. (2017) Fibrinogen Activates BMP Signaling in Oligodendrocyte Progenitor Cells and Inhibits Remyelination after Vascular Damage. *Neuron*, 96(5), 1003.

Jakovljevic M, et al. (2017) Down-regulation of NTPDase2 and ADP-sensitive P2 Purinoceptors Correlate with Severity of Symptoms during Experimental Autoimmune Encephalomyelitis. *Frontiers in cellular neuroscience*, 11, 333.

Santiago González DA, et al. (2017) Conditional Deletion of the L-Type Calcium Channel Cav1.2 in NG2-Positive Cells Impairs Remyelination in Mice. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 37(42), 10038.

Stößel M, et al. (2017) Reflex-based grasping, skilled forelimb reaching, and electrodiagnostic evaluation for comprehensive analysis of functional recovery-The 7-mm rat median nerve gap repair model revisited. *Brain and behavior*, 7(10), e00813.

Cheli VT, et al. (2016) Conditional Deletion of the L-Type Calcium Channel Cav1.2 in Oligodendrocyte Progenitor Cells Affects Postnatal Myelination in Mice. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 36(42), 10853.

Perez-Polo JR, et al. (2016) Inflammatory cytokine receptor blockade in a rodent model of mild traumatic brain injury. *Journal of neuroscience research*, 94(1), 27.

Palazuelos J, et al. (2014) TACE/ADAM17 is essential for oligodendrocyte development and CNS myelination. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 34(36), 11884.