

Resource Summary Report

Generated by PRECISE-TBI on Sep 3, 2026

Monoclonal Anti-Oligodendrocyte Marker O4 antibody produced in mouse

RRID:AB_477662

Type: Antibody

Proper Citation

Sigma-Aldrich Cat# O7139, RRID:AB_477662

Antibody Information

URL: http://antibodyregistry.org/AB_477662

Proper Citation: Sigma-Aldrich Cat# O7139, RRID:AB_477662

Target Antigen: Oligodendrocyte Marker O4 antibody produced in mouse

Host Organism: mouse

Clonality: monoclonal

Comments: Vendor recommendations: IgM; IgM immunocytochemistry: 8-25 mug/mL, flow cytometry: suitable; Flow Cytometry; Immunohistochemistry

Antibody Name: Monoclonal Anti-Oligodendrocyte Marker O4 antibody produced in mouse

Description: This monoclonal targets Oligodendrocyte Marker O4 antibody produced in mouse

Target Organism: chicken, rat, chicken/bird, mouse, human

Antibody ID: AB_477662

Vendor: Sigma-Aldrich

Catalog Number: O7139

Record Creation Time: 20231110T080636+0000

Record Last Update: 20260901T014646+0000

Ratings and Alerts

No rating or validation information has been found for Monoclonal Anti-Oligodendrocyte Marker O4 antibody produced in mouse.

No alerts have been found for Monoclonal Anti-Oligodendrocyte Marker O4 antibody produced in mouse.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Liu Z, et al. (2023) Astrocytic response mediated by the CLU risk allele inhibits OPC proliferation and myelination in a human iPSC model. Cell reports, 42(8), 112841.

Tan HY, et al. (2022) cGAS and DDX41-STING mediated intrinsic immunity spreads intercellularly to promote neuroinflammation in SOD1 ALS model. iScience, 25(6), 104404.

Baldauf C, et al. (2020) Murine maternal dietary restriction affects neural Humanin expression and cellular profile. Journal of neuroscience research, 98(5), 902.

Li L, et al. (2018) GFAP Mutations in Astrocytes Impair Oligodendrocyte Progenitor Proliferation and Myelination in an hiPSC Model of Alexander Disease. Cell stem cell, 23(2), 239.

Flores KP, et al. (2018) The impact of erythropoietin and iron status on brain myelination in the newborn rat. Journal of neuroscience research, 96(9), 1586.

Ren M, et al. (2016) A biofidelic 3D culture model to study the development of brain cellular systems. Scientific reports, 6, 24953.