

Resource Summary Report

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Mouse Anti-Rat CD68 Monoclonal Antibody, Unconjugated, Clone ED1

RRID:AB_1141557

Type: Antibody

Proper Citation

Abcam Cat# ab31630, RRID:AB_1141557

Antibody Information

URL: http://antibodyregistry.org/AB_1141557

Proper Citation: Abcam Cat# ab31630, RRID:AB_1141557

Target Antigen: Rat CD68

Host Organism: mouse

Clonality: monoclonal

Comments: validation status unknown, seller recommendations provided in 2012: Flow Cytometry; Immunocytochemistry; Immunohistochemistry; Immunoprecipitation; Radioimmunoassay; Western Blot; Flow Cytometry, Immunocytochemistry, Immunohistochemistry-Fr, Immunohistochemistry-P, Immunoprecipitation, Radioimmunoassay, Western Blot

Antibody Name: Mouse Anti-Rat CD68 Monoclonal Antibody, Unconjugated, Clone ED1

Description: This monoclonal targets Rat CD68

Target Organism: rat

Clone ID: Clone ED1

Antibody ID: AB_1141557

Vendor: Abcam

Catalog Number: ab31630

Record Creation Time: 20250820T055713+0000

Record Last Update: 20250820T225451+0000

Ratings and Alerts

No rating or validation information has been found for Mouse Anti-Rat CD68 Monoclonal Antibody, Unconjugated, Clone ED1.

No alerts have been found for Mouse Anti-Rat CD68 Monoclonal Antibody, Unconjugated, Clone ED1.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 31 mentions in open access literature.

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

Emvalomenos GM, et al. (2025) Evidence for glial reactivity using positron-emission tomography imaging of translocator Protein-18 kD [TSPO] in both sham and nerve-injured rats in a preclinical model of orofacial neuropathic pain. *Neurobiology of pain* (Cambridge, Mass.), 17, 100175.

Mauer Sutovska H, et al. (2025) Dark-phase melatonin administration does not reduce blood pressure but induces changes in parameters related to the control of the cardiovascular system in spontaneously hypertensive rats. *Hypertension research : official journal of the Japanese Society of Hypertension*, 48(8), 2218.

Woo KM, et al. (2025) Angiotensin-(1-7) Provides Potent Long-Term Neurorepair/Neuroregeneration in a Rodent White Matter Stroke Model: Nonarteritic Ischemic Optic Neuropathy (rNAION). *Cells*, 14(4).

Ševc J, et al. (2024) Comparative model of minimal spinal cord injury reveals a rather anti-inflammatory response in the lesion site as well as increased proliferation in the central canal lining in the neonates compared to the adult rats. *Developmental neurobiology*, 84(3), 169.

Kong Q, et al. (2024) Lycium barbarum glycopeptide (wolfberry extract) slows N-methyl-N-nitrosourea-induced degradation of photoreceptors. *Neural regeneration research*, 19(10), 2290.

Kang JWM, et al. (2024) Infraorbital nerve injury triggers sex-specific neuroimmune responses in the peripheral trigeminal pathway and common pain behaviours. *Brain, behavior, and immunity*, 118, 480.

Tai W, et al. (2024) NG2 glia reprogramming induces robust axonal regeneration after spinal cord injury. *iScience*, 27(2), 108895.

Poon EK, et al. (2024) A novel inhibitor of class IIa histone deacetylases attenuates collagen-induced arthritis. *British journal of pharmacology*, 181(23), 4804.

Cheng H, et al. (2024) Electrical stimulation with polypyrrole-coated polycaprolactone/silk fibroin scaffold promotes sacral nerve regeneration by modulating macrophage polarisation. *Biomaterials translational*, 5(2), 157.

Maistriaux L, et al. (2023) Reconstruction of the human nipple-areolar complex: a tissue engineering approach. *Frontiers in bioengineering and biotechnology*, 11, 1295075.

Lantz MJ, et al. (2023) The neuroprotective N-terminal amyloid- β core hexapeptide reverses reactive gliosis and gliotoxicity in Alzheimer's disease pathology models. *Journal of neuroinflammation*, 20(1), 129.

Hasan M, et al. (2023) Chemogenetic activation of astrocytes promotes remyelination and restores cognitive deficits in visceral hypersensitive rats. *iScience*, 26(1), 105840.

Cui YR, et al. (2023) Emodin attenuates inflammation and demyelination in experimental autoimmune encephalomyelitis. *Neural regeneration research*, 18(7), 1535.

Kim KH, et al. (2023) PRMT5 mediates FoxO1 methylation and subcellular localization to regulate lipophagy in myogenic progenitors. *Cell reports*, 42(11), 113329.

Taglietti V, et al. (2022) Duchenne muscular dystrophy trajectory in R-DMDdel52 preclinical rat model identifies COMP as biomarker of fibrosis. *Acta neuropathologica communications*, 10(1), 60.

Kaur N, et al. (2022) Paracrine signal emanating from stressed cardiomyocytes aggravates inflammatory microenvironment in diabetic cardiomyopathy. *iScience*, 25(3), 103973.

Santana-Codina N, et al. (2022) NCOA4-Mediated Ferritinophagy Is a Pancreatic Cancer Dependency via Maintenance of Iron Bioavailability for Iron-Sulfur Cluster Proteins. *Cancer discovery*, 12(9), 2180.

Shen YY, et al. (2022) Robust temporal changes of cellular senescence and proliferation after sciatic nerve injury. *Neural regeneration research*, 17(7), 1588.

Kälin RE, et al. (2021) TAMEP are brain tumor parenchymal cells controlling neoplastic angiogenesis and progression. *Cell systems*, 12(3), 248.

Murugappan SK, et al. (2021) Trigeminal neuropathy causes hypomyelination in the anterior cingulate cortex, disrupts the synchrony of neural circuitry, and impairs decision-making in male rats. *Journal of neuroscience research*, 99(10), 2721.