

Resource Summary Report

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RAT ANTI MOUSE CD68

RRID:AB_324217

Type: Antibody

Proper Citation

(Bio-Rad Cat# MCA1957GA, RRID:AB_324217)

Antibody Information

URL: http://antibodyregistry.org/AB_324217

Proper Citation: (Bio-Rad Cat# MCA1957GA, RRID:AB_324217)

Target Antigen: CD68

Host Organism: Rat

Clonality: monoclonal

Comments: Applications: Western Blotting, Immunohistology - Paraffin, Immunoprecipitation, Flow Cytometry, Immunohistology - Frozen, Immunofluorescence

Antibody Name: RAT ANTI MOUSE CD68

Description: This monoclonal targets CD68

Target Organism: mouse

Clone ID: Clone FA-11

Defining Citation: [PMID:17226772](#)

Antibody ID: AB_324217

Vendor: Bio-Rad

Catalog Number: MCA1957GA

Record Creation Time: 20241016T235348+0000

Record Last Update: 20241017T012353+0000

Ratings and Alerts

No rating or validation information has been found for RAT ANTI MOUSE CD68.

No alerts have been found for RAT ANTI MOUSE CD68.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 44 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Wong NKP, et al. (2024) TRIM2 Selectively Regulates Inflammation-Driven Pathological Angiogenesis without Affecting Physiological Hypoxia-Mediated Angiogenesis. International journal of molecular sciences, 25(6).

Wang Y, et al. (2024) BACH1 changes microglial metabolism and affects astrogenesis during mouse brain development. Developmental cell, 59(1), 108.

Pöplau JA, et al. (2024) Reorganization of adolescent prefrontal cortex circuitry is required for mouse cognitive maturation. Neuron, 112(3), 421.

Murphy DP, et al. (2024) Chronic consequences of ischemic stroke: Profiling brain injury and inflammation in a mouse model with reperfusion. Physiological reports, 12(12), e16118.

Rong Z, et al. (2024) Persistence of spike protein at the skull-meninges-brain axis may contribute to the neurological sequelae of COVID-19. Cell host & microbe, 32(12), 2112.

Zhang D, et al. (2024) P-tau217 correlates with neurodegeneration in Alzheimer's disease, and targeting p-tau217 with immunotherapy ameliorates murine tauopathy. Neuron.

Santamans AM, et al. (2024) MCJ: A mitochondrial target for cardiac intervention in pulmonary hypertension. Science advances, 10(3), eadk6524.

Alexandris AS, et al. (2023) Traumatic Axonal Injury in the Optic Nerve: The Selective Role of SARM1 in the Evolution of Distal Axonopathy. Journal of neurotrauma.

Hashimoto A, et al. (2023) Microglia enable cross-modal plasticity by removing inhibitory synapses. Cell reports, 42(5), 112383.

Zhao Y, et al. (2023) Neutrophils resist ferroptosis and promote breast cancer metastasis through aconitate decarboxylase 1. *Cell metabolism*, 35(10), 1688.

Salzmann M, et al. (2023) Staphylococcus aureus extracellular adherence protein (Eap) reduces immune cell phenotype in developing but not in established atherosclerotic lesions. *Biochimica et biophysica acta. Molecular basis of disease*, 1869(3), 166616.

Banerjee K, et al. (2023) VEGF-C-expressing TAMs rewire the metastatic fate of breast cancer cells. *Cell reports*, 42(12), 113507.

Jung H, et al. (2023) LPS induces microglial activation and GABAergic synaptic deficits in the hippocampus accompanied by prolonged cognitive impairment. *Scientific reports*, 13(1), 6547.

Sattiraju A, et al. (2023) Hypoxic niches attract and sequester tumor-associated macrophages and cytotoxic T cells and reprogram them for immunosuppression. *Immunity*, 56(8), 1825.

Rangan P, et al. (2022) Fasting-mimicking diet cycles reduce neuroinflammation to attenuate cognitive decline in Alzheimer's models. *Cell reports*, 40(13), 111417.

Scaricamazza S, et al. (2022) Repurposing of Trimetazidine for amyotrophic lateral sclerosis: A study in SOD1G93A mice. *British journal of pharmacology*, 179(8), 1732.

Ain Q, et al. (2022) Optimized Protocol for Proportionate CNS Cell Retrieval as a Versatile Platform for Cellular and Molecular Phenomapping in Aging and Neurodegeneration. *International journal of molecular sciences*, 23(6).

Markert F, et al. (2022) Hyperoxygenation During Mid-Neurogenesis Accelerates Cortical Development in the Fetal Mouse Brain. *Frontiers in cell and developmental biology*, 10, 732682.

Roy ER, et al. (2022) Concerted type I interferon signaling in microglia and neural cells promotes memory impairment associated with amyloid β plaques. *Immunity*, 55(5), 879.

Fernando S, et al. (2022) Eukaryotic elongation factor 2 kinase regulates foam cell formation via translation of CD36. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 36(2), e22154.