

Resource Summary Report

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RAT ANTI MOUSE F4/80

RRID:AB_2098196

Type: Antibody

Proper Citation

(Bio-Rad Cat# MCA497, RRID:AB_2098196)

Antibody Information

URL: http://antibodyregistry.org/AB_2098196

Proper Citation: (Bio-Rad Cat# MCA497, RRID:AB_2098196)

Target Antigen: F4/80

Host Organism: Rat

Clonality: monoclonal

Comments: Applications: Immunohistology - Paraffin, Immunohistology - Frozen, Immunofluorescence, Immunoprecipitation, Flow Cytometry, Radioimmunoassays, Immunoelectron Microscopy, Immunohistology - Resin

Antibody Name: RAT ANTI MOUSE F4/80

Description: This monoclonal targets F4/80

Target Organism: mouse

Clone ID: Clone Cl:A3-1

Antibody ID: AB_2098196

Vendor: Bio-Rad

Catalog Number: MCA497

Record Creation Time: 20231110T073501+0000

Record Last Update: 20241115T092620+0000

Ratings and Alerts

- Independent validation by the NYU Langone was performed for: IHC. This antibody was found to have the following characteristics: Functional in human:FALSE, NonFunctional in human:FALSE, Functional in animal:FALSE, NonFunctional in animal:TRUE - NYU Langone's Center for Biospecimen Research and Development
<https://med.nyu.edu/research/scientific-cores-shared-resources/center-biospecimen-research-development>

No alerts have been found for RAT ANTI MOUSE F4/80.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 46 mentions in open access literature.

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

Lee SR, et al. (2024) Nox4-SH3YL1 complex is involved in diabetic nephropathy. iScience, 27(2), 108868.

Horie M, et al. (2024) Exosomes secreted by ST3GAL5high cancer cells promote peritoneal dissemination by establishing a premetastatic microenvironment. Molecular oncology, 18(1), 21.

Tsissios G, et al. (2024) Macrophages modulate fibrosis during newt lens regeneration. Stem cell research & therapy, 15(1), 141.

Schuster K, et al. (2024) Starvation in Mice Induces Liver Damage Associated with Autophagy. Nutrients, 16(8).

Hamby M, et al. (2024) Mice lacking ASIC2 and α ENaC are protected from high-fat-diet-induced metabolic syndrome. Frontiers in endocrinology, 15, 1449344.

van Elsas MJ, et al. (2023) Invasive margin tissue-resident macrophages of high CD163 expression impede responses to T cell-based immunotherapy. Journal for immunotherapy of cancer, 11(3).

Malong L, et al. (2023) Characterization of the structure and control of the blood-nerve barrier identifies avenues for therapeutic delivery. Developmental cell, 58(3), 174.

Tsissios G, et al. (2023) Macrophages modulate fibrosis during newt lens regeneration. Research square.

Gander-Bui HTT, et al. (2023) Targeted removal of macrophage-secreted interleukin-1 receptor antagonist protects against lethal *Candida albicans* sepsis. *Immunity*, 56(8), 1743.

Fujinuma S, et al. (2023) FOXK1 promotes nonalcoholic fatty liver disease by mediating mTORC1-dependent inhibition of hepatic fatty acid oxidation. *Cell reports*, 42(5), 112530.

Webb ER, et al. (2022) Cyclophosphamide depletes tumor infiltrating T regulatory cells and combined with anti-PD-1 therapy improves survival in murine neuroblastoma. *iScience*, 25(9), 104995.

Tran NL, et al. (2022) Continuous sensing of IFN γ by hepatic endothelial cells shapes a vascular antimetastatic barrier. *eLife*, 11.

Sandovici I, et al. (2022) The imprinted Igf2-Igf2r axis is critical for matching placental microvasculature expansion to fetal growth. *Developmental cell*, 57(1), 63.

Ide S, et al. (2022) Sex differences in resilience to ferroptosis underlie sexual dimorphism in kidney injury and repair. *Cell reports*, 41(6), 111610.

Opazo-Ríos L, et al. (2022) Meta-Inflammation and De Novo Lipogenesis Markers Are Involved in Metabolic Associated Fatty Liver Disease Progression in BTBR ob/ob Mice. *International journal of molecular sciences*, 23(7).

Teuwen LA, et al. (2021) Tumor vessel co-option probed by single-cell analysis. *Cell reports*, 35(11), 109253.

Ide S, et al. (2021) Ferroptotic stress promotes the accumulation of pro-inflammatory proximal tubular cells in maladaptive renal repair. *eLife*, 10.

Willenborg S, et al. (2021) Mitochondrial metabolism coordinates stage-specific repair processes in macrophages during wound healing. *Cell metabolism*, 33(12), 2398.

Blériot C, et al. (2021) A subset of Kupffer cells regulates metabolism through the expression of CD36. *Immunity*, 54(9), 2101.

Zhao GN, et al. (2021) TMBIM1 is an inhibitor of adipogenesis and its depletion promotes adipocyte hyperplasia and improves obesity-related metabolic disease. *Cell metabolism*, 33(8), 1640.