

Resource Summary Report

Generated by [RRID](#) on Sep 9, 2026

RAT ANTI MOUSE F4/80

RRID:AB_872005

Type: Antibody

Proper Citation

Bio-Rad Cat# MCA497G, RRID:AB_872005

Antibody Information

URL: http://antibodyregistry.org/AB_872005

Proper Citation: Bio-Rad Cat# MCA497G, RRID:AB_872005

Target Antigen: F4/80

Host Organism: Rat

Clonality: monoclonal

Comments: Applications: Flow Cytometry, Immuno-electron Microscopy, Immunofluorescence, Immunohistology - Frozen, Immunohistology - Paraffin, Immunohistology - Resin, Immunoprecipitation, Radioimmunoassays, Western Blotting

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_872005

Vendor: Bio-Rad

Catalog Number: MCA497G

Record Creation Time: 20231110T075644+0000

Record Last Update: 20260829T074832+0000

Ratings and Alerts

No rating or validation information has been found for RAT ANTI MOUSE F4/80.

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

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 42 mentions in open access literature.

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

Stierli S, et al. (2026) A peripheral glial niche orchestrates the early stages of skin wound healing. Cell stem cell.

Mauer J, et al. (2026) Prevent or Treat? Evaluating a Delayed Treatment With Nintedanib After Murine Orthotopic Tracheal Transplantation. Transplantation direct, 12(7), e1967.

Guo J, et al. (2026) VSIG4 Restricts Hepatocellular Carcinoma Control by Suppressing Tumor-Specific CD8+ T-cell Immunity in the Tumor Microenvironment. Cancer immunology research, 14(5), 718.

Wang S, et al. (2026) A pan-cancer single-cell transcriptomic atlas of human bone metastases. Cell reports. Medicine, 7(2), 102583.

Ai D, et al. (2026) Depletion of CX3CR1+ macrophages results in disrupted functionality and immune surveillance within epididymis and testis. Mucosal immunology, 19(2), 1889.

Xu Z, et al. (2026) Unbiased niche labeling maps immune-excluded niche in bone metastasis. Cell, 189(11), 3287.

Shi T, et al. (2025) CHI3L3+ immature neutrophils inhibit anti-tumor immunity and impede immune checkpoint blockade therapy in bone metastases. Cancer cell.

Cheng JN, et al. (2025) Bone metastases diminish extraosseous response to checkpoint blockade immunotherapy through osteopontin-producing osteoclasts. Cancer cell, 43(6), 1093.

Trotta R, et al. (2025) Activated T Cells Break Tumor Immunosuppression by Macrophage Reeducation. Cancer discovery, 15(7), 1410.

Gopal R, et al. (2025) CD209d/e promotes inflammation and lung injury during influenza virus infection. ImmunoHorizons, 9(1).

Huber LS, et al. (2025) Deletion of ABIN1-LIR motifs impairs hepatic lipid homeostasis and mitophagy via AMPK-TFEB axis in mice. American journal of physiology. Cell physiology, 329(5), C1360.

Zhou L, et al. (2025) Lipid droplet efferocytosis attenuates proinflammatory signaling in macrophages via TREM2- and MS4A7-dependent mechanisms. *Cell reports*, 44(2), 115310.

Li L, et al. (2025) A bacterial toxin as a novel anti-cancer drug modulating the tumor-microenvironment. *Cell death & disease*, 16(1), 874.

Meghwani H, et al. (2025) CCL20/CCR6 signaling modulates disease severity during the establishment of *Staphylococcus aureus* osteomyelitis. *mBio*, 16(10), e0141325.

Roper PM, et al. (2025) Characterization of a mouse model of osteoarticular infection using clinical isolates of *Staphylococcus aureus*. *JBMR plus*, 9(9), ziaf093.

Bolini L, et al. (2024) Long-term recruitment of peripheral immune cells to brain scars after a neonatal insult. *Glia*, 72(3), 546.

Laforêts F, et al. (2023) Semi-supervised analysis of myeloid and T cell behavior in ex vivo ovarian tumor slices reveals changes in cell motility after treatments. *iScience*, 26(4), 106514.

Wu Y, et al. (2022) Targeting CCR2⁺ macrophages with BET inhibitor overcomes adaptive resistance to anti-VEGF therapy in ovarian cancer. *Journal of cancer research and clinical oncology*, 148(4), 803.

Vanherle S, et al. (2022) The ApoA-I mimetic peptide 5A enhances remyelination by promoting clearance and degradation of myelin debris. *Cell reports*, 41(6), 111591.

Pleuger C, et al. (2022) The regional distribution of resident immune cells shapes distinct immunological environments along the murine epididymis. *eLife*, 11.