

# Resource Summary Report

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## BV421 Rat Anti-Mouse F4/80

RRID:AB\_2734779

Type: Antibody

### Proper Citation

(BD Biosciences Cat# 565411, RRID:AB\_2734779)

### Antibody Information

**URL:** [http://antibodyregistry.org/AB\\_2734779](http://antibodyregistry.org/AB_2734779)

**Proper Citation:** (BD Biosciences Cat# 565411, RRID:AB\_2734779)

**Target Antigen:** F4/80

**Host Organism:** rat

**Clonality:** monoclonal

**Comments:** Bioimaging, Flow cytometry

**Antibody Name:** BV421 Rat Anti-Mouse F4/80

**Description:** This monoclonal targets F4/80

**Target Organism:** mouse

**Clone ID:** T45-2342

**Antibody ID:** AB\_2734779

**Vendor:** BD Biosciences

**Catalog Number:** 565411

**Record Creation Time:** 20231110T033552+0000

**Record Last Update:** 20240725T030653+0000

### Ratings and Alerts

No rating or validation information has been found for BV421 Rat Anti-Mouse F4/80.

No alerts have been found for BV421 Rat Anti-Mouse F4/80.

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## Data and Source Information

**Source:** [Antibody Registry](#)

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## Usage and Citation Metrics

We found 20 mentions in open access literature.

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

Jin H, et al. (2024) YTHDF2 favors protumoral macrophage polarization and implies poor survival outcomes in triple negative breast cancer. *iScience*, 27(6), 109902.

Kim Y, et al. (2024) Fecal microbiota transplantation improves anti-PD-1 inhibitor efficacy in unresectable or metastatic solid cancers refractory to anti-PD-1 inhibitor. *Cell host & microbe*, 32(8), 1380.

Wang Y, et al. (2024) Trailblazing in adjuvant research: succinate's uncharted territory with neutrophils. *American journal of physiology. Cell physiology*, 327(1), C1.

Deng C, et al. (2024) Extracellular-vesicle-packaged S100A11 from osteosarcoma cells mediates lung premetastatic niche formation by recruiting gMDSCs. *Cell reports*, 43(2), 113751.

Englebert K, et al. (2024) The CD27/CD70 pathway negatively regulates visceral adipose tissue-resident Th2 cells and controls metabolic homeostasis. *Cell reports*, 43(3), 113824.

Aguiar CF, et al. (2023) Tissue-specific metabolic profile drives iNKT cell function during obesity and liver injury. *Cell reports*, 42(1), 112035.

Valle-Noguera A, et al. (2023) IL-18-induced HIF-1 $\alpha$  in ILC3s ameliorates the inflammation of *C. rodentium*-induced colitis. *Cell reports*, 42(12), 113508.

Sim SL, et al. (2022) Myeloid WIs expression is dispensable for skin wound healing and blood vessel regeneration. *Frontiers in endocrinology*, 13, 957833.

Wang H, et al. (2022) The microbial metabolite trimethylamine N-oxide promotes antitumor immunity in triple-negative breast cancer. *Cell metabolism*, 34(4), 581.

Chen X, et al. (2022) Mouse placenta fetal macrophages arise from endothelial cells outside the placenta. *Developmental cell*, 57(23), 2652.

Blake SJ, et al. (2021) The immunotoxicity, but not anti-tumor efficacy, of anti-CD40 and anti-

CD137 immunotherapies is dependent on the gut microbiota. *Cell reports. Medicine*, 2(12), 100464.

Millard SM, et al. (2021) Fragmentation of tissue-resident macrophages during isolation confounds analysis of single-cell preparations from mouse hematopoietic tissues. *Cell reports*, 37(8), 110058.

Fraccarollo D, et al. (2021) Expansion of CD10neg neutrophils and CD14+HLA-DRneg/low monocytes driving proinflammatory responses in patients with acute myocardial infarction. *eLife*, 10.

Nascimento DC, et al. (2021) Sepsis expands a CD39+ plasmablast population that promotes immunosuppression via adenosine-mediated inhibition of macrophage antimicrobial activity. *Immunity*, 54(9), 2024.

Maehara N, et al. (2021) AIM/CD5L attenuates DAMPs in the injured brain and thereby ameliorates ischemic stroke. *Cell reports*, 36(11), 109693.

Rosenkranz SC, et al. (2021) Enhancing mitochondrial activity in neurons protects against neurodegeneration in a mouse model of multiple sclerosis. *eLife*, 10.

Liu M, et al. (2020) Macrophage K63-Linked Ubiquitination of YAP Promotes Its Nuclear Localization and Exacerbates Atherosclerosis. *Cell reports*, 32(5), 107990.

Edgar LJ, et al. (2019) Targeted Delivery of Antigen to Activated CD169+ Macrophages Induces Bias for Expansion of CD8+ T Cells. *Cell chemical biology*, 26(1), 131.

Lalwani A, et al. (2019) ? Cell Hypoxia-Inducible Factor-1? Is Required for the Prevention of Type 1 Diabetes. *Cell reports*, 27(8), 2370.

Han H, et al. (2019) Small-Molecule MYC Inhibitors Suppress Tumor Growth and Enhance Immunotherapy. *Cancer cell*, 36(5), 483.