

Resource Summary Report

Generated by [nidm-terms](#) on Aug 10, 2026

Biotin anti-mouse CD4

RRID:AB_312711

Type: Antibody

Proper Citation

BioLegend Cat# 100508, RRID:AB_312711

Antibody Information

URL: http://antibodyregistry.org/AB_312711

Proper Citation: BioLegend Cat# 100508, RRID:AB_312711

Target Antigen: CD4

Host Organism: rat

Clonality: monoclonal

Comments: Applications: FC

Antibody Name: Biotin anti-mouse CD4

Description: This monoclonal targets CD4

Target Organism: mouse

Clone ID: Clone RM4-5

Antibody ID: AB_312711

Vendor: BioLegend

Catalog Number: 100508

Alternative Catalog Numbers: 100507

Record Creation Time: 20250820T031729+0000

Record Last Update: 20250820T155109+0000

Ratings and Alerts

No rating or validation information has been found for Biotin anti-mouse CD4.

No alerts have been found for Biotin anti-mouse CD4.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 27 mentions in open access literature.

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

Newen AM, et al. (2026) Distributed clonal deletion prevents autoimmune disease progression. Cell reports, 45(8), 117723.

Zhao J, et al. (2026) Activated CD38+ mast cells promote gastric cancer progression by suppressing CD8+ T cell cytotoxic activity through adenosine metabolism. Cell reports, 45(2), 116863.

Menezes-Silva L, et al. (2026) Hormonal rewiring of immunity during dietary restriction ensures host defense and systemic glucose conservation. Immunity, 59(3), 700.

Fukui T, et al. (2026) A hierarchical Rorc(?t) cis-regulatory cascade orchestrates differentiation of ROR?t? innate immune cells. Immunity, 59(4), 953.

Pan S, et al. (2025) Decoding the ontogeny of myeloid lineage diversity by cross-species and developmental analyses of hematopoietic progenitor atlases. Cell reports, 44(3), 115406.

Bolomsky A, et al. (2024) IRF4 requires ARID1A to establish plasma cell identity in multiple myeloma. Cancer cell, 42(7), 1185.

Eggert J, et al. (2024) Cbl-b mitigates the responsiveness of naive CD8+ T cells that experience extensive tonic T cell receptor signaling. Science signaling, 17(822), eadh0439.

Andrews LP, et al. (2024) LAG-3 and PD-1 synergize on CD8+ T cells to drive T cell exhaustion and hinder autocrine IFN-?-dependent anti-tumor immunity. Cell, 187(16), 4355.

Rosenlehner T, et al. (2024) Reciprocal regulation of mTORC1 signaling and ribosomal biosynthesis determines cell cycle progression in activated T cells. Science signaling, 17(859), eadi8753.

Phu TA, et al. (2023) ApoE enhances mitochondrial metabolism via microRNA-142a/146a-regulated circuits that suppress hematopoiesis and inflammation in hyperlipidemia. Cell reports, 42(10), 113206.

Ventre E, et al. (2023) One model fits all: Combining inference and simulation of gene regulatory networks. *PLoS computational biology*, 19(3), e1010962.

Zhou X, et al. (2023) MHC class II regulation of CD8+ T cell tolerance and implications in autoimmunity and cancer immunotherapy. *Cell reports*, 42(11), 113452.

Ma S, et al. (2022) Heterochronic parabiosis induces stem cell revitalization and systemic rejuvenation across aged tissues. *Cell stem cell*, 29(6), 990.

Andrews LP, et al. (2021) A Cre-driven allele-conditioning line to interrogate CD4+ conventional T cells. *Immunity*, 54(10), 2209.

Bouchareychas L, et al. (2021) High glucose macrophage exosomes enhance atherosclerosis by driving cellular proliferation & hematopoiesis. *iScience*, 24(8), 102847.

Lehrke MJ, et al. (2021) The mitochondrial iron transporter ABCB7 is required for B cell development, proliferation, and class switch recombination in mice. *eLife*, 10.

Delacher M, et al. (2021) Single-cell chromatin accessibility landscape identifies tissue repair program in human regulatory T cells. *Immunity*, 54(4), 702.

Wang F, et al. (2021) A basophil-neuronal axis promotes itch. *Cell*, 184(2), 422.

Yi W, et al. (2021) Protein S-nitrosylation regulates proteostasis and viability of hematopoietic stem cell during regeneration. *Cell reports*, 34(13), 108922.

Trefzer A, et al. (2021) Dynamic adoption of anergy by antigen-exhausted CD4+ T cells. *Cell reports*, 34(6), 108748.