Resource Summary Report

Generated by SPARC SAWG on Aug 9, 2026

Rat Anti-CD4 Monoclonal Antibody, Phycoerythrin Conjugated, Clone RM4-5

RRID:AB_394585
Type: Antibody

Proper Citation

BD Biosciences Cat# 553049, RRID:AB_394585

Antibody Information

URL: http://antibodyregistry.org/AB_394585

Proper Citation: BD Biosciences Cat# 553049, RRID:AB_394585

Target Antigen: CD4

Host Organism: rat

Clonality: monoclonal

Comments: Flow cytometry

Antibody Name: Rat Anti-CD4 Monoclonal Antibody, Phycoerythrin Conjugated, Clone RM4-5

Description: This monoclonal targets CD4

Target Organism: mouse

Clone ID: RM4-5

Antibody ID: AB_394585

Vendor: BD Biosciences

Catalog Number: 553049

Record Creation Time: 20250819T225048+0000

Record Last Update: 20250820T032909+0000

Ratings and Alerts

No rating or validation information has been found for Rat Anti-CD4 Monoclonal Antibody, Phycoerythrin Conjugated, Clone RM4-5.

No alerts have been found for Rat Anti-CD4 Monoclonal Antibody, Phycoerythrin Conjugated, Clone RM4-5.

Data and Source Information

Source: Antibody Registry

Usage and Citation Metrics

We found 19 mentions in open access literature.

Listed below are recent publications. The full list is available at SPARC SAWG .

Murakami R, et al. (2026) Foxp3 and BATF cooperatively direct cis-regulatory programs and gene expression for effector Treg cell differentiation. Immunity, 59(5), 1253.

Dhenni R, et al. (2025) Macrophages direct location-dependent recall of B cell memory to vaccination. Cell, 188(13), 3477.

Yun H, et al. (2025) The production of the chemokine CCL2 by corneal sensory neurons initiates anti-viral immunity at the cornea and trigeminal ganglion. Cell reports, 45(1), 116693.

Weed DT, et al. (2023) The Tumor Immune Microenvironment Architecture Correlates with Risk of Recurrence in Head and Neck Squamous Cell Carcinoma. Cancer research, 83(23), 3886.

Le Moine M, et al. (2023) Homeostatic PD-1 signaling restrains EOMES-dependent oligoclonal expansion of liver-resident CD8 T cells. Cell reports, 42(8), 112876.

Abdelwahab T, et al. (2023) Cytotoxic CNS-associated T cells drive axon degeneration by targeting perturbed oligodendrocytes in PLP1 mutant mice. iScience, 26(5), 106698.

Wiede F, et al. (2022) PTP1B Is an Intracellular Checkpoint that Limits T-cell and CAR T-cell Antitumor Immunity. Cancer discovery, 12(3), 752.

Quast I, et al. (2022) Interleukin-21, acting beyond the immunological synapse, independently controls T follicular helper and germinal center B cells. Immunity, 55(8), 1414.

Zhao JL, et al. (2022) Notch-mediated lactate metabolism regulates MDSC development through the Hes1/MCT2/c-Jun axis. Cell reports, 38(10), 110451.

Giampazolias E, et al. (2021) Secreted gelsolin inhibits DNGR-1-dependent cross-presentation and cancer immunity. Cell, 184(15), 4016.

Matias MI, et al. (2021) Regulatory T cell differentiation is controlled by ?KG-induced alterations in mitochondrial metabolism and lipid homeostasis. Cell reports, 37(5), 109911.

Rustenhoven J, et al. (2021) Functional characterization of the dural sinuses as a neuroimmune interface. Cell, 184(4), 1000.

Boccasavia VL, et al. (2021) Antigen presentation between T cells drives Th17 polarization under conditions of limiting antigen. Cell reports, 34(11), 108861.

Yamamoto K, et al. (2021) The TLR4-TRIF-type 1 IFN-IFN-? pathway is crucial for gastric MALT lymphoma formation after Helicobacter suis infection. iScience, 24(9), 103064.

Lv K, et al. (2021) HectD1 controls hematopoietic stem cell regeneration by coordinating ribosome assembly and protein synthesis. Cell stem cell, 28(7), 1275.

Horkova V, et al. (2020) Dynamics of the Coreceptor-LCK Interactions during T Cell Development Shape the Self-Reactivity of Peripheral CD4 and CD8 T Cells. Cell reports, 30(5), 1504.

Yun H, et al. (2020) Production of the Cytokine VEGF-A by CD4+ T and Myeloid Cells Disrupts the Corneal Nerve Landscape and Promotes Herpes Stromal Keratitis. Immunity, 53(5), 1050.

Bieniasz-Krzywiec P, et al. (2019) Podoplanin-Expressing Macrophages Promote Lymphangiogenesis and Lymphoinvasion in Breast Cancer. Cell metabolism, 30(5), 917.

Cong J, et al. (2018) Dysfunction of Natural Killer Cells by FBP1-Induced Inhibition of Glycolysis during Lung Cancer Progression. Cell metabolism, 28(2), 243.