

Resource Summary Report

Generated by [NIF](#) on Jul 29, 2026

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

RRID:AB_394584

Type: Antibody

Proper Citation

BD Biosciences Cat# 553048, RRID:AB_394584

Antibody Information

URL: http://antibodyregistry.org/AB_394584

Proper Citation: BD Biosciences Cat# 553048, RRID:AB_394584

Target Antigen: CD4

Host Organism: rat

Clonality: monoclonal

Comments: Applications: 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_394584

Vendor: BD Biosciences

Catalog Number: 553048

Record Creation Time: 20250819T224441+0000

Record Last Update: 20250820T031000+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 11 mentions in open access literature.

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

Fan CY, et al. (2025) Divergent sex-specific pannexin-1 mechanisms in microglia and T cells underlie neuropathic pain. *Neuron*, 113(6), 896.

Boutet M, et al. (2025) Mutations in MLL3 promote breast cancer progression via HIF1?-dependent intratumoral recruitment and differentiation of regulatory T cells. *Immunity*, 58(8), 2035.

Libri AB, et al. (2025) Senataxin promotes recombination fidelity during antigen receptor gene diversification. *Science signaling*, 18(908), eadv8801.

Pietrasanta C, et al. (2024) Prenatal antibiotics reduce breast milk IgA and induce dysbiosis in mouse offspring, increasing neonatal susceptibility to bacterial sepsis. *Cell host & microbe*, 32(12), 2178.

Kamte YS, et al. (2023) Perturbations in neural stem cell function during a neurotropic viral infection in juvenile mice. *Journal of neurochemistry*, 166(5), 809.

Fukaya T, et al. (2023) Gut dysbiosis promotes the breakdown of oral tolerance mediated through dysfunction of mucosal dendritic cells. *Cell reports*, 42(5), 112431.

Anstee JE, et al. (2023) LYVE-1+ macrophages form a collaborative CCR5-dependent perivascular niche that influences chemotherapy responses in murine breast cancer. *Developmental cell*, 58(17), 1548.

Azzoni E, et al. (2021) The onset of circulation triggers a metabolic switch required for endothelial to hematopoietic transition. *Cell reports*, 37(11), 110103.

Bianchi JJ, et al. (2019) Breakage-Fusion-Bridge Events Trigger Complex Genome Rearrangements and Amplifications in Developmentally Arrested T Cell Lymphomas. *Cell reports*, 27(10), 2847.

Shahoei SH, et al. (2019) Small Heterodimer Partner Regulates Dichotomous T Cell Expansion by Macrophages. *Endocrinology*, 160(7), 1573.

Tadokoro Y, et al. (2018) Spred1 Safeguards Hematopoietic Homeostasis against Diet-Induced Systemic Stress. *Cell stem cell*, 22(5), 713.