

Resource Summary Report

Generated by ASWG on Aug 9, 2026

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

RRID:AB_394581

Type: Antibody

Proper Citation

BD Biosciences Cat# 553045, RRID:AB_394581

Antibody Information

URL: http://antibodyregistry.org/AB_394581

Proper Citation: BD Biosciences Cat# 553045, RRID:AB_394581

Target Antigen: CD4

Host Organism: rat

Clonality: monoclonal

Comments: Flow cytometry

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

Description: This monoclonal targets CD4

Target Organism: mouse

Clone ID: RM4-5

Antibody ID: AB_394581

Vendor: BD Biosciences

Catalog Number: 553045

Record Creation Time: 20250820T065140+0000

Record Last Update: 20250821T010457+0000

Ratings and Alerts

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

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

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Zanotti F, et al. (2025) Protocol for the isolation and characterization of murine hematopoietic stem and progenitor cell-derived extracellular vesicles. STAR protocols, 6(2), 103778.

Ziogas A, et al. (2025) Long-term histone lactylation connects metabolic and epigenetic rewiring in innate immune memory. Cell, 188(11), 2992.

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

Sievert EP, et al. (2025) Distinct plasmablast developmental intermediates produce graded expression of IgM secretory transcripts. Cell reports, 44(2), 115283.

Bonora M, et al. (2024) A mitochondrial NADPH-cholesterol axis regulates extracellular vesicle biogenesis to support hematopoietic stem cell fate. Cell stem cell, 31(3), 359.

Yang T, et al. (2023) ROR γ t+ c-Maf+ V β 4+ $\gamma\gamma$ T cells are generated in the adult thymus but do not reach the periphery. Cell reports, 42(10), 113230.

Downey J, et al. (2022) Mitochondrial cyclophilin D promotes disease tolerance by licensing NK cell development and IL-22 production against influenza virus. Cell reports, 39(12), 110974.

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

Young K, et al. (2021) Decline in IGF1 in the bone marrow microenvironment initiates hematopoietic stem cell aging. Cell stem cell, 28(8), 1473.

Moorlag SJCFM, et al. (2020) β -Glucan Induces Protective Trained Immunity against Mycobacterium tuberculosis Infection: A Key Role for IL-1. Cell reports, 31(7), 107634.

Khan N, et al. (2020) M. tuberculosis Reprograms Hematopoietic Stem Cells to Limit Myelopoiesis and Impair Trained Immunity. Cell, 183(3), 752.

Kaufmann E, et al. (2018) BCG Educates Hematopoietic Stem Cells to Generate Protective Innate Immunity against Tuberculosis. *Cell*, 172(1-2), 176.