

Resource Summary Report

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

RRID:AB_394583

Type: Antibody

Proper Citation

BD Biosciences Cat# 553047, RRID:AB_394583

Antibody Information

URL: http://antibodyregistry.org/AB_394583

Proper Citation: BD Biosciences Cat# 553047, RRID:AB_394583

Target Antigen: CD4

Host Organism: rat

Clonality: monoclonal

Comments: Applications: Flow cytometry
Info: Used by Czech Centre for Phenogenomics

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

Description: This monoclonal targets CD4

Target Organism: mouse

Clone ID: RM4-5

Antibody ID: AB_394583

Vendor: BD Biosciences

Catalog Number: 553047

Record Creation Time: 20250820T051451+0000

Record Last Update: 20250820T210906+0000

Ratings and Alerts

- Used by Czech Centre for Phenogenomics - Czech Centre for Phenogenomics
<https://www.phenogenomics.cz/>

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

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 14 mentions in open access literature.

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

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.

Gong M, et al. (2023) Transcriptional and metabolic programs promote the expansion of follicular helper T cells in lupus-prone mice. *iScience*, 26(5), 106774.

Damasceno LEA, et al. (2022) STING is an intrinsic checkpoint inhibitor that restrains the TH17 cell pathogenic program. *Cell reports*, 39(8), 110838.

Mu Z, et al. (2022) mRNA-encoded HIV-1 Env trimer ferritin nanoparticles induce monoclonal antibodies that neutralize heterologous HIV-1 isolates in mice. *Cell reports*, 38(11), 110514.

Meng J, et al. (2022) Tumor-derived Jagged1 promotes cancer progression through immune evasion. *Cell reports*, 38(10), 110492.

DeVito NC, et al. (2021) Pharmacological Wnt ligand inhibition overcomes key tumor-mediated resistance pathways to anti-PD-1 immunotherapy. *Cell reports*, 35(5), 109071.

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

Jin X, et al. (2020) Pyruvate Kinase M2 Promotes the Activation of Dendritic Cells by Enhancing IL-12p35 Expression. *Cell reports*, 31(8), 107690.

Marchingo JM, et al. (2020) Quantitative analysis of how Myc controls T cell proteomes and metabolic pathways during T cell activation. *eLife*, 9.

Xu W, et al. (2019) An Id2RFP-Reporter Mouse Redefines Innate Lymphoid Cell Precursor Potentials. *Immunity*, 50(4), 1054.

Kunimura K, et al. (2019) S100A4 Protein Is Essential for the Development of Mature Microfold Cells in Peyer's Patches. *Cell reports*, 29(9), 2823.

Zhao F, et al. (2018) Paracrine Wnt5a- β -Catenin Signaling Triggers a Metabolic Program that Drives Dendritic Cell Tolerization. *Immunity*, 48(1), 147.

Herndler-Brandstetter D, et al. (2018) KLRG1⁺ Effector CD8⁺ T Cells Lose KLRG1, Differentiate into All Memory T Cell Lineages, and Convey Enhanced Protective Immunity. *Immunity*, 48(4), 716.

Hayatsu N, et al. (2017) Analyses of a Mutant Foxp3 Allele Reveal BATF as a Critical Transcription Factor in the Differentiation and Accumulation of Tissue Regulatory T Cells. *Immunity*, 47(2), 268.