

Resource Summary Report

Generated by [dkNET](#) on Jul 31, 2026

CD4

RRID:AB_397030

Type: Antibody

Proper Citation

BD Biosciences Cat# 558107, RRID:AB_397030

Antibody Information

URL: http://antibodyregistry.org/AB_397030

Proper Citation: BD Biosciences Cat# 558107, RRID:AB_397030

Target Antigen: CD4

Host Organism: rat

Clonality: monoclonal

Comments: Flow cytometry

Antibody Name: CD4

Description: This monoclonal targets CD4

Target Organism: mouse

Antibody ID: AB_397030

Vendor: BD Biosciences

Catalog Number: 558107

Record Creation Time: 20250820T071918+0000

Record Last Update: 20250821T020539+0000

Ratings and Alerts

No rating or validation information has been found for CD4.

No alerts have been found for CD4.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 23 mentions in open access literature.

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

Yardeni T, et al. (2025) Mitochondrial DNA lineages determine tumor progression through T cell reactive oxygen signaling. Proceedings of the National Academy of Sciences of the United States of America, 122(1), e2417252121.

He C, et al. (2025) The balance between conventional and unconventional T follicular helper cells influences autoreactive B cell responses. Cell reports, 44(5), 115602.

Yang W, et al. (2025) Impaired mitochondrial metabolism is a critical cancer vulnerability for MYC inhibitors. Science advances, 11(29), eadw5228.

Mauvais FX, et al. (2025) Metallophilic marginal zone macrophages cross-prime CD8+ T cell-mediated protective immunity against blood-borne tumors. Immunity, 58(4), 843.

Wenzek C, et al. (2024) Lack of canonical thyroid hormone receptor α signaling changes regulatory T cell phenotype in female mice. iScience, 27(8), 110547.

Liu J, et al. (2023) Glycosyltransferase Extl1 promotes CCR7-mediated dendritic cell migration to restrain infection and autoimmunity. Cell reports, 42(1), 111991.

Grootveld AK, et al. (2023) Apoptotic cell fragments locally activate tingible body macrophages in the germinal center. Cell, 186(6), 1144.

Miyauchi S, et al. (2023) Reprogramming of tumor-associated macrophages via NEDD4-mediated CSF1R degradation by targeting USP18. Cell reports, 42(12), 113560.

Modur V, et al. (2023) Mechanism of inert inflammation in an immune checkpoint blockade-resistant tumor subtype bearing transcription elongation defects. Cell reports, 42(4), 112364.

Pylaeva E, et al. (2022) During early stages of cancer, neutrophils initiate anti-tumor immune responses in tumor-draining lymph nodes. Cell reports, 40(7), 111171.

Omer-Javed A, et al. (2022) Mobilization-based chemotherapy-free engraftment of gene-edited human hematopoietic stem cells. Cell, 185(13), 2248.

Ajouaou Y, et al. (2022) The oxygen sensor prolyl hydroxylase domain 2 regulates the in vivo suppressive capacity of regulatory T cells. eLife, 11.

Park JY, et al. (2022) In vivo availability of the cytokine IL-7 constrains the survival and homeostasis of peripheral iNKT cells. Cell reports, 38(2), 110219.

Valencia-Hernandez AM, et al. (2020) A Natural Peptide Antigen within the Plasmodium Ribosomal Protein RPL6 Confers Liver TRM Cell-Mediated Immunity against Malaria in Mice. *Cell host & microbe*, 27(6), 950.

Quinn WJ, et al. (2020) Lactate Limits T Cell Proliferation via the NAD(H) Redox State. *Cell reports*, 33(11), 108500.

Alter C, et al. (2019) A2bR-dependent signaling alters immune cell composition and enhances IL-6 formation in the ischemic heart. *American journal of physiology. Heart and circulatory physiology*, 317(1), H190.

Segovia M, et al. (2019) Targeting TMEM176B Enhances Antitumor Immunity and Augments the Efficacy of Immune Checkpoint Blockers by Unleashing Inflammasome Activation. *Cancer cell*, 35(5), 767.

Adoue V, et al. (2019) The Histone Methyltransferase SETDB1 Controls T Helper Cell Lineage Integrity by Repressing Endogenous Retroviruses. *Immunity*, 50(3), 629.

Cunha LD, et al. (2018) LC3-Associated Phagocytosis in Myeloid Cells Promotes Tumor Immune Tolerance. *Cell*, 175(2), 429.

Li W, et al. (2018) Aerobic Glycolysis Controls Myeloid-Derived Suppressor Cells and Tumor Immunity via a Specific CEBPB Isoform in Triple-Negative Breast Cancer. *Cell metabolism*, 28(1), 87.