

Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](https://fdi-lab.sci-crunch.org) on May 2, 2025

CD4

RRID:AB_394582

Type: Antibody

Proper Citation

(BD Biosciences Cat# 553046, RRID:AB_394582)

Antibody Information

URL: http://antibodyregistry.org/AB_394582

Proper Citation: (BD Biosciences Cat# 553046, RRID:AB_394582)

Target Antigen: CD4

Host Organism: rat

Clonality: monoclonal

Comments: Applications: Flow cytometry

Antibody Name: CD4

Description: This monoclonal targets CD4

Target Organism: mouse

Antibody ID: AB_394582

Vendor: BD Biosciences

Catalog Number: 553046

Record Creation Time: 20231110T081314+0000

Record Last Update: 20241115T104956+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 15 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Yang X, et al. (2024) Single-Cell Analysis Identifies Distinct Populations of Cytotoxic CD4+ T Cells Linked to the Therapeutic Efficacy of Immune Checkpoint Inhibitors in Metastatic Renal Cell Carcinoma. *Journal of inflammation research*, 17, 4505.

Nagai M, et al. (2024) Sugar and arginine facilitate oral tolerance by ensuring the functionality of tolerogenic immune cell subsets in the intestine. *Cell reports*, 43(7), 114490.

Cros A, et al. (2023) Homeostatic activation of aryl hydrocarbon receptor by dietary ligands dampens cutaneous allergic responses by controlling Langerhans cells migration. *eLife*, 12.

Biswas S, et al. (2023) Neuroendocrine lineage commitment of small cell lung cancers can be leveraged into p53-independent non-cytotoxic therapy. *Cell reports*, 42(8), 113016.

Kong M, et al. (2023) Cell-specific cargo delivery using synthetic bacterial spores. *Cell reports*, 42(1), 111955.

Yan Y, et al. (2023) Commensal bacteria promote azathioprine therapy failure in inflammatory bowel disease via decreasing 6-mercaptopurine bioavailability. *Cell reports. Medicine*, 4(8), 101153.

Kawasaki T, et al. (2022) Alveolar macrophages instruct CD8+ T cell expansion by antigen cross-presentation in lung. *Cell reports*, 41(11), 111828.

Hagihara M, et al. (2022) Clostridium butyricum-induced ω -3 fatty acid 18-HEPE elicits anti-influenza virus pneumonia effects through interferon- γ upregulation. *Cell reports*, 41(11), 111755.

Palma C, et al. (2021) Caloric Restriction Promotes Immunometabolic Reprogramming Leading to Protection from Tuberculosis. *Cell metabolism*, 33(2), 300.

Tian M, et al. (2021) ACLY ubiquitination by CUL3-KLHL25 induces the reprogramming of fatty acid metabolism to facilitate iTreg differentiation. *eLife*, 10.

Gong Y, et al. (2021) Metabolic-Pathway-Based Subtyping of Triple-Negative Breast Cancer Reveals Potential Therapeutic Targets. *Cell metabolism*, 33(1), 51.

Umeshappa CS, et al. (2021) Liver-specific T regulatory type-1 cells program local neutrophils to suppress hepatic autoimmunity via CRAMP. *Cell reports*, 34(13), 108919.

Tarancón R, et al. (2021) Therapeutic efficacy of pulmonary live tuberculosis vaccines against established asthma by subverting local immune environment. *EBioMedicine*, 64, 103186.

Yang SJ, et al. (2020) Activation of M1 Macrophages in Response to Recombinant TB Vaccines With Enhanced Antimycobacterial Activity. *Frontiers in immunology*, 11, 1298.

Oyler-Yaniv J, et al. (2017) Catch and Release of Cytokines Mediated by Tumor Phosphatidylserine Converts Transient Exposure into Long-Lived Inflammation. *Molecular cell*, 66(5), 635.