Resource Summary Report

Generated by NIF on Jul 29, 2026

CD4

RRID:AB_398528
Type: Antibody

Proper Citation

BD Biosciences Cat# 553051, RRID:AB_398528

Antibody Information

URL: http://antibodyregistry.org/AB_398528

Proper Citation: BD Biosciences Cat# 553051, RRID:AB_398528

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_398528

Vendor: BD Biosciences

Catalog Number: 553051

Record Creation Time: 20250819T225218+0000

Record Last Update: 20250820T033405+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 56 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF .

Hua D, et al. (2025) The combination of Clostridium butyricum and Akkermansia muciniphila mitigates DSS-induced colitis and attenuates colitis-associated tumorigenesis by modulating gut microbiota and reducing CD8+ T cells in mice. mSystems, 10(2), e0156724.

Mosialou I, et al. (2025) A niche driven mechanism determines response and a mutation-independent therapeutic approach for myeloid malignancies. Cancer cell, 43(6), 1007.

Corriveau J, et al. (2025) Inhibition of PAK2 in endothelial cells suppresses tumor angiogenesis and promotes immune sensitization through CXCL10. Cell reports, 45(1), 116840.

Zhou YD, et al. (2025) T cell fate is dictated by different antigen presenting cells in response to dietary versus gut epithelial self-antigen. bioRxiv : the preprint server for biology.

Gao Y, et al. (2025) Trilaciclib triggers a neutrophil-related immune response and sensitizes non-small cell lung cancer to anti-PD-1 therapy. Cell reports. Medicine, 6(11), 102434.

Wang H, et al. (2025) Phenotypic plasticity and increased infiltration of peripheral blood-derived TREM1+ mono-macrophages following radiotherapy in rectal cancer. Cell reports. Medicine, 6(1), 101887.

Mansoori B, et al. (2025) A K27-linked Ubiquitin Checkpoint Controls NOTCH Homeostasis. bioRxiv : the preprint server for biology.

Li J, et al. (2024) Amitriptyline revitalizes ICB response via dually inhibiting Kyn/Indole and 5-HT pathways of tryptophan metabolism in ovarian cancer. iScience, 27(12), 111488.

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

Lee J, et al. (2024) Impaired autophagy in myeloid cells aggravates psoriasis-like skin inflammation through the IL-1?/CXCL2/neutrophil axis. Cell & bioscience, 14(1), 57.

Yang Y, et al. (2024) Dietary vitamin B3 supplementation induces the antitumor immunity against liver cancer via biased GPR109A signaling in myeloid cell. Cell reports. Medicine, 5(9), 101718.

Pitter MR, et al. (2024) PAD4 controls tumor immunity via restraining the MHC class II machinery in macrophages. Cell reports, 43(3), 113942.

Ichiyama K, et al. (2024) Transcription factor Ikzf1 associates with Foxp3 to repress gene expression in Treg cells and limit autoimmunity and anti-tumor immunity. Immunity, 57(9), 2043.

Chen J, et al. (2024) Intestinal microbiota imbalance resulted by anti-Toxoplasma gondii immune responses aggravate gut and brain injury. Parasites & vectors, 17(1), 284.

Huang J, et al. (2023) SLFN5-mediated chromatin dynamics sculpt higher-order DNA repair topology. Molecular cell, 83(7), 1043.

Funasaki S, et al. (2023) A stepwise and digital pattern of RSK phosphorylation determines the outcome of thymic selection. iScience, 26(9), 107552.

Gungabeesoon J, et al. (2023) A neutrophil response linked to tumor control in immunotherapy. Cell, 186(7), 1448.

Chen J, et al. (2023) IL-24 is the key effector of Th9 cell-mediated tumor immunotherapy. iScience, 26(9), 107531.

Jiang SS, et al. (2023) Fusobacterium nucleatum-derived succinic acid induces tumor resistance to immunotherapy in colorectal cancer. Cell host & microbe, 31(5), 781.

Tilsed CM, et al. (2022) CD4+ T cells drive an inflammatory, TNF-?/IFN-rich tumor microenvironment responsive to chemotherapy. Cell reports, 41(13), 111874.