

Resource Summary Report

Generated by ASWG on Aug 9, 2026

CD4

RRID:AB_398593

Type: Antibody

Proper Citation

BD Biosciences Cat# 555349, RRID:AB_398593

Antibody Information

URL: http://antibodyregistry.org/AB_398593

Proper Citation: BD Biosciences Cat# 555349, RRID:AB_398593

Target Antigen: CD4

Host Organism: mouse

Clonality: monoclonal

Comments: Applications: Flow cytometry

Antibody Name: CD4

Description: This monoclonal targets CD4

Target Organism: human

Antibody ID: AB_398593

Vendor: BD Biosciences

Catalog Number: 555349

Record Creation Time: 20250820T031933+0000

Record Last Update: 20250820T155647+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 30 mentions in open access literature.

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

Akhtar A, et al. (2025) Bioengineering the metabolic network of CAR T cells with GLP-1 and Urolithin A increases persistence and long-term anti-tumor activity. *Cell reports. Medicine*, 6(3), 102021.

Emert-Sedlak LA, et al. (2024) PROTAC-mediated degradation of HIV-1 Nef efficiently restores cell-surface CD4 and MHC-I expression and blocks HIV-1 replication. *Cell chemical biology*.

Labib M, et al. (2024) Identification of druggable regulators of cell secretion via a kinome-wide screen and high-throughput immunomagnetic cell sorting. *Nature biomedical engineering*, 8(3), 263.

Cummings SE, et al. (2024) SARS-CoV-2 antigen-carrying extracellular vesicles activate T cell responses in a human immunogenicity model. *iScience*, 27(1), 108708.

Albanese M, et al. (2024) Receptor transfer between immune cells by autoantibody-enhanced, CD32-driven trogocytosis is hijacked by HIV-1 to infect resting CD4 T cells. *Cell reports. Medicine*, 5(4), 101483.

Shen J, et al. (2024) Activating innate immune responses repolarizes hPSC-derived CAR macrophages to improve anti-tumor activity. *Cell stem cell*, 31(7), 1003.

Chauvin C, et al. (2023) Tocilizumab-treated convalescent COVID-19 patients retain the cross-neutralization potential against SARS-CoV-2 variants. *iScience*, 26(3), 106124.

Arandjelovic P, et al. (2023) Venetoclax, alone and in combination with the BH3 mimetic S63845, depletes HIV-1 latently infected cells and delays rebound in humanized mice. *Cell reports. Medicine*, 4(9), 101178.

Montoya VR, et al. (2023) A Virus-Packagable CRISPR System Identifies Host Dependency Factors Co-Opted by Multiple HIV-1 Strains. *mBio*, 14(1), e0000923.

Trim WV, et al. (2022) The Impact of Long-term Physical Inactivity on Adipose Tissue Immunometabolism. *The Journal of clinical endocrinology and metabolism*, 107(1), 177.

Xiao Q, et al. (2022) Metabolism-dependent ferroptosis promotes mitochondrial dysfunction and inflammation in CD4+ T lymphocytes in HIV-infected immune non-responders. *EBioMedicine*, 86, 104382.

Höfle J, et al. (2022) Engagement of TRAIL triggers degranulation and IFN γ production in human natural killer cells. *EMBO reports*, 23(8), e54133.

Zhao X, et al. (2022) In vivo G-CSF treatment activates the GR-SOCS1 axis to suppress IFN- γ secretion by natural killer cells. *Cell reports*, 40(11), 111342.

Doss PMIA, et al. (2021) Male sex chromosomal complement exacerbates the pathogenicity of Th17 cells in a chronic model of central nervous system autoimmunity. *Cell reports*, 34(10), 108833.

Jung HS, et al. (2021) SOX17 integrates HOXA and arterial programs in hemogenic endothelium to drive definitive lympho-myeloid hematopoiesis. *Cell reports*, 34(7), 108758.

Zerbato JM, et al. (2021) Multiply spliced HIV RNA is a predictive measure of virus production ex vivo and in vivo following reversal of HIV latency. *EBioMedicine*, 65, 103241.

Kim DH, et al. (2021) Induction of the IL-1RII decoy receptor by NFAT/FOXP3 blocks IL-1 γ -dependent response of Th17 cells. *eLife*, 10.

Codo AC, et al. (2020) Elevated Glucose Levels Favor SARS-CoV-2 Infection and Monocyte Response through a HIF-1 α /Glycolysis-Dependent Axis. *Cell metabolism*, 32(3), 437.

Joas S, et al. (2020) Nef-Mediated CD3-TCR Downmodulation Dampens Acute Inflammation and Promotes SIV Immune Evasion. *Cell reports*, 30(7), 2261.

Le J, et al. (2020) Single-Cell RNA-Seq Mapping of Human Thymopoiesis Reveals Lineage Specification Trajectories and a Commitment Spectrum in T Cell Development. *Immunity*, 52(6), 1105.