Resource Summary Report

Generated by ASWG on Sep 20, 2026

CD4

RRID:AB_394587
Type: Antibody

Proper Citation

BD Biosciences Cat# 553052, RRID:AB_394587

Antibody Information

URL: http://antibodyregistry.org/AB_394587

Proper Citation: BD Biosciences Cat# 553052, RRID:AB_394587

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_394587

Vendor: BD Biosciences

Catalog Number: 553052

Record Creation Time: 20231110T081054+0000

Record Last Update: 20260829T212348+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 18 mentions in open access literature.

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

Pfab C, et al. (2026) Protocol for potent activation of T cells using BPI-stimulated murine bone marrow-derived cells. STAR protocols, 7(2), 104519.

Mix MR, et al. (2025) Repetitive antigen stimulation in the periphery dictates the composition and recall responses of brain-resident memory CD8+ T cells. Cell reports, 44(2), 115247.

Lee HN, et al. (2024) Ebola virus-induced eye sequelae: a murine model for evaluating glycoprotein-targeting therapeutics. EBioMedicine, 104, 105170.

Ma B, et al. (2024) Protocol to examine immune subpopulations in murine conjunctiva and lacrimal gland using flow cytometry. STAR protocols, 5(1), 102921.

Bülow S, et al. (2024) Bactericidal/permeability-increasing protein instructs dendritic cells to elicit Th22 cell response. Cell reports, 43(3), 113929.

Yakkala C, et al. (2024) Cryoablation Does Not Significantly Contribute to Systemic Effector Immune Responses in a Poorly Immunogenic B16F10 Melanoma Model. Clinical cancer research : an official journal of the American Association for Cancer Research, 30(18), 4190.

Miller CL, et al. (2022) Systemic delivery of a targeted synthetic immunostimulant transforms the immune landscape for effective tumor regression. Cell chemical biology, 29(3), 451.

Mifflin KA, et al. (2022) Spinal Cord Injury Impairs Lung Immunity in Mice. Journal of immunology (Baltimore, Md. : 1950), 209(1), 157.

Tomala J, et al. (2021) IL-2/JES6-1 mAb complexes dramatically increase sensitivity to LPS through IFN-? production by CD25+Foxp3- T cells. eLife, 10.

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

Giampazolias E, et al. (2021) Secreted gelsolin inhibits DNGR-1-dependent cross-presentation and cancer immunity. Cell, 184(15), 4016.

Dignum T, et al. (2021) Multipotent progenitors and hematopoietic stem cells arise independently from hemogenic endothelium in the mouse embryo. Cell reports, 36(11), 109675.

Werner A, et al. (2021) Targeting B cells in the pre-phase of systemic autoimmunity globally interferes with autoimmune pathology. iScience, 24(9), 103076.

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

Duecker R, et al. (2019) Hematopoietic Stem Cell Transplantation Restores Naïve T-Cell Populations in Atm-Deficient Mice and in Preemptively Treated Patients With Ataxia-Telangiectasia. Frontiers in immunology, 10, 2785.

Guarnieri FC, et al. (2018) Synapsin I deletion reduces neuronal damage and ameliorates clinical progression of experimental autoimmune encephalomyelitis. Brain, behavior, and immunity, 68, 197.

Xu X, et al. (2018) Phosphorylation-Mediated IFN-?R2 Membrane Translocation Is Required to Activate Macrophage Innate Response. Cell, 175(5), 1336.

Lian H, et al. (2018) The Zinc-Finger Protein ZCCHC3 Binds RNA and Facilitates Viral RNA Sensing and Activation of the RIG-I-like Receptors. Immunity, 49(3), 438.