

Resource Summary Report

Generated by [ASWG](#) on Aug 9, 2026

TCR b chain

RRID:AB_394683

Type: Antibody

Proper Citation

BD Biosciences Cat# 553171, RRID:AB_394683

Antibody Information

URL: http://antibodyregistry.org/AB_394683

Proper Citation: BD Biosciences Cat# 553171, RRID:AB_394683

Target Antigen: TCR b chain

Host Organism: hamster

Clonality: monoclonal

Comments: Flow cytometry

Antibody Name: TCR b chain

Description: This monoclonal targets TCR b chain

Target Organism: mouse

Antibody ID: AB_394683

Vendor: BD Biosciences

Catalog Number: 553171

Record Creation Time: 20250819T231304+0000

Record Last Update: 20250820T043932+0000

Ratings and Alerts

No rating or validation information has been found for TCR b chain.

No alerts have been found for TCR b chain.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 16 mentions in open access literature.

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

Won HY, et al. (2026) Type I IFN-controlled Qa-2 expression identifies and maps the generation of Eomes+ thymic innate CD8 T cells. iScience, 29(7), 116530.

Zhu B, et al. (2025) Maternal vitamin D regulates the metabolic rearrangement of offspring CD4+ T cells in response to intestinal inflammation. Cell reports, 44(6), 115857.

Füchsl F, et al. (2024) High-resolution profile of neoantigen-specific TCR activation links moderate stimulation to increased resilience of engineered TCR-T cells. Nature communications, 15(1), 10520.

Pietrasanta C, et al. (2024) Prenatal antibiotics reduce breast milk IgA and induce dysbiosis in mouse offspring, increasing neonatal susceptibility to bacterial sepsis. Cell host & microbe, 32(12), 2178.

Le Moine M, et al. (2023) Homeostatic PD-1 signaling restrains EOMES-dependent oligoclonal expansion of liver-resident CD8 T cells. Cell reports, 42(8), 112876.

Liu H, et al. (2023) Neutralizing IL-8 potentiates immune checkpoint blockade efficacy for glioma. Cancer cell, 41(4), 693.

Liang Z, et al. (2022) The proprotein convertase furin regulates the development of thymic epithelial cells to ensure central immune tolerance. iScience, 25(10), 105233.

Yamamoto K, et al. (2021) The TLR4-TRIF-type 1 IFN-IFN- γ pathway is crucial for gastric MALT lymphoma formation after Helicobacter suis infection. iScience, 24(9), 103064.

Flommersfeld S, et al. (2021) Fate mapping of single NK cells identifies a type 1 innate lymphoid-like lineage that bridges innate and adaptive recognition of viral infection. Immunity, 54(10), 2288.

Blake SJ, et al. (2021) The immunotoxicity, but not anti-tumor efficacy, of anti-CD40 and anti-CD137 immunotherapies is dependent on the gut microbiota. Cell reports. Medicine, 2(12), 100464.

Newman R, et al. (2021) Chronic calcium signaling in IgE+ B cells limits plasma cell differentiation and survival. Immunity, 54(12), 2756.

Nguyen HD, et al. (2020) Lysosomal Acid Lipase Is Required for Donor T Cells to Induce Graft-versus-Host Disease. Cell reports, 33(4), 108316.

Alexandre YO, et al. (2020) Systemic Inflammation Suppresses Lymphoid Tissue Remodeling and B Cell Immunity during Concomitant Local Infection. *Cell reports*, 33(13), 108567.

Lepletier A, et al. (2019) Interplay between Follistatin, Activin A, and BMP4 Signaling Regulates Postnatal Thymic Epithelial Progenitor Cell Differentiation during Aging. *Cell reports*, 27(13), 3887.

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

LaMothe RA, et al. (2018) Tolerogenic Nanoparticles Induce Antigen-Specific Regulatory T Cells and Provide Therapeutic Efficacy and Transferrable Tolerance against Experimental Autoimmune Encephalomyelitis. *Frontiers in immunology*, 9, 281.