

Resource Summary Report

Generated by ASWG on Aug 10, 2026

Brilliant Violet 421™ anti-mouse TCR ? chain

RRID:AB_10933263

Type: Antibody

Proper Citation

BioLegend Cat# 109229, RRID:AB_10933263

Antibody Information

URL: http://antibodyregistry.org/AB_10933263

Proper Citation: BioLegend Cat# 109229, RRID:AB_10933263

Target Antigen: TCR beta chain

Host Organism: armenian hamster

Clonality: monoclonal

Comments: Applications: FC, IHC-F

Antibody Name: Brilliant Violet 421™ anti-mouse TCR ? chain

Description: This monoclonal targets TCR beta chain

Target Organism: mouse

Clone ID: Clone H57-597

Antibody ID: AB_10933263

Vendor: BioLegend

Catalog Number: 109229

Alternative Catalog Numbers: 109230

Record Creation Time: 20250819T231242+0000

Record Last Update: 20250820T043829+0000

Ratings and Alerts

No rating or validation information has been found for Brilliant Violet 421™ anti-mouse TCR ? chain.

No alerts have been found for Brilliant Violet 421™ anti-mouse TCR ? chain.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 28 mentions in open access literature.

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

Yang-Jensen SK, et al. (2026) Microbial activation of the GLP-2R mitigates gastrointestinal inflammation. Nature communications, 17(1), 1839.

Budinich KA, et al. (2026) RNA reinforces condensate nucleation on chromatin to amplify oncogenic transcription. Molecular cell, 86(14), 2777.

Wang H, et al. (2026) Regulation of neutrophil homeostasis by the TNFAIP8 family of polarity proteins. Cell reports, 45(7), 117694.

Shimba A, et al. (2025) Stress-induced glucocorticoids enhance acute inflammation by promoting the differentiation of Th17 cells. Cell reports, 44(8), 116093.

Weller C, et al. (2025) Translation dysregulation in cancer as a source for targetable antigens. Cancer cell, 43(5), 823.

Wei X, et al. (2025) Immune imprinting blunts omicron pathogenicity fluctuations and highlights the essential role of cellular immunity in SARS-CoV-2 infection. Cell reports, 44(6), 115784.

Osaki M, et al. (2025) Soluble CTLA-4 regulates immune homeostasis and promotes resolution of inflammation by suppressing type 1 but allowing type 2 immunity. Immunity, 58(4), 889.

Bejarano L, et al. (2024) Interrogation of endothelial and mural cells in brain metastasis reveals key immune-regulatory mechanisms. Cancer cell, 42(3), 378.

Wu Q, et al. (2024) Ferritin heavy chain supports stability and function of the regulatory T cell lineage. The EMBO journal, 43(8), 1445.

Kafai NM, et al. (2023) Entry receptor LDLRAD3 is required for Venezuelan equine encephalitis virus peripheral infection and neurotropism leading to pathogenesis in mice. Cell reports, 42(8), 112946.

Valle-Noguera A, et al. (2023) IL-18-induced HIF-1? in ILC3s ameliorates the inflammation of C. rodentium-induced colitis. Cell reports, 42(12), 113508.

Ramos S, et al. (2022) A hypometabolic defense strategy against malaria. *Cell metabolism*, 34(8), 1183.

Wong CK, et al. (2022) Divergent roles for the gut intraepithelial lymphocyte GLP-1R in control of metabolism, microbiota, and T cell-induced inflammation. *Cell metabolism*, 34(10), 1514.

Goh PK, et al. (2022) PTPN2 elicits cell autonomous and non-cell autonomous effects on antitumor immunity in triple-negative breast cancer. *Science advances*, 8(8), eabk3338.

Wiede F, et al. (2022) PTP1B Is an Intracellular Checkpoint that Limits T-cell and CAR T-cell Antitumor Immunity. *Cancer discovery*, 12(3), 752.

Hägglöf T, et al. (2022) T-bet⁺ B cells accumulate in adipose tissue and exacerbate metabolic disorder during obesity. *Cell metabolism*, 34(8), 1121.

Lukhele S, et al. (2022) The transcription factor IRF2 drives interferon-mediated CD8⁺ T cell exhaustion to restrict anti-tumor immunity. *Immunity*, 55(12), 2369.

Kawakami R, et al. (2021) Distinct Foxp3 enhancer elements coordinate development, maintenance, and function of regulatory T cells. *Immunity*, 54(5), 947.

Prosser A, et al. (2021) Dynamic changes to tissue-resident immunity after MHC-matched and MHC-mismatched solid organ transplantation. *Cell reports*, 35(7), 109141.

Park JG, et al. (2021) Immunogenicity and protective efficacy of an intranasal live-attenuated vaccine against SARS-CoV-2. *iScience*, 24(9), 102941.