

Resource Summary Report

Generated by [NIF](#) on Jul 28, 2026

Brilliant Violet 421(TM) anti-mouse CD4

RRID:AB_10898318

Type: Antibody

Proper Citation

BioLegend Cat# 100543, RRID:AB_10898318

Antibody Information

URL: http://antibodyregistry.org/AB_10898318

Proper Citation: BioLegend Cat# 100543, RRID:AB_10898318

Target Antigen: CD4

Host Organism: rat

Clonality: monoclonal

Comments: Applications: FC, ICC, IHC-F

Antibody Name: Brilliant Violet 421(TM) anti-mouse CD4

Description: This monoclonal targets CD4

Target Organism: mouse

Clone ID: Clone RM4-5

Antibody ID: AB_10898318

Vendor: BioLegend

Catalog Number: 100543

Alternative Catalog Numbers: 100563, 100544

Record Creation Time: 20250819T230603+0000

Record Last Update: 20250820T041749+0000

Ratings and Alerts

No rating or validation information has been found for Brilliant Violet 421(TM) anti-mouse CD4.

No alerts have been found for Brilliant Violet 421(TM) anti-mouse CD4.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Feng J, et al. (2025) A pan-KRAS inhibitor and its derived degrader elicit multifaceted anti-tumor efficacy in KRAS-driven cancers. Cancer cell.

Xu X, et al. (2024) Tumor-intrinsic P2RY6 drives immunosuppression by enhancing PGE2 production. Cell reports, 43(7), 114469.

Restaino AC, et al. (2024) TUMOR-INFILTRATING NOCICEPTOR NEURONS PROMOTE IMMUNOSUPPRESSION. bioRxiv : the preprint server for biology.

Li X, et al. (2024) Deficiency of CBL and CBLB ubiquitin ligases leads to hyper T follicular helper cell responses and lupus by reducing BCL6 degradation. Immunity, 57(7), 1603.

Kaminski A, et al. (2023) Resident regulatory T cells reflect the immune history of individual lymph nodes. Science immunology, 8(89), eadj5789.

Heath BR, et al. (2023) Saturated fatty acids dampen the immunogenicity of cancer by suppressing STING. Cell reports, 42(4), 112303.

Dubrot J, et al. (2021) In vivo screens using a selective CRISPR antigen removal lentiviral vector system reveal immune dependencies in renal cell carcinoma. Immunity, 54(3), 571.

Flamar AL, et al. (2020) Interleukin-33 Induces the Enzyme Tryptophan Hydroxylase 1 to Promote Inflammatory Group 2 Innate Lymphoid Cell-Mediated Immunity. Immunity, 52(4), 606.

Xiao S, et al. (2020) Checkpoint Receptor TIGIT Expressed on Tim-1+ B Cells Regulates Tissue Inflammation. Cell reports, 32(2), 107892.

Lino AC, et al. (2018) LAG-3 Inhibitory Receptor Expression Identifies Immunosuppressive Natural Regulatory Plasma Cells. Immunity, 49(1), 120.