

# Resource Summary Report

Generated by PRECISE-TBI on Aug 11, 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](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.

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## Data and Source Information

**Source:** [Antibody Registry](#)

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## Usage and Citation Metrics

We found 10 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [PRECISE-TBI](#) .

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.