

Resource Summary Report

Generated by [dkNET](#) on Sep 4, 2026

BV421 Mouse Anti-Mouse ROR γ t Antibody

RRID:AB_2687545

Type: Antibody

Proper Citation

BD Biosciences Cat# 562894, RRID:AB_2687545

Antibody Information

URL: http://antibodyregistry.org/AB_2687545

Proper Citation: BD Biosciences Cat# 562894, RRID:AB_2687545

Target Antigen: Mouse ROR γ t

Host Organism: mouse

Clonality: monoclonal

Comments: Intracellular staining (flow Cytotoxicityometry)

Antibody Name: BV421 Mouse Anti-Mouse ROR γ t Antibody

Description: This monoclonal targets Mouse ROR γ t

Target Organism: mouse

Clone ID: Q31-378

Antibody ID: AB_2687545

Vendor: BD Biosciences

Catalog Number: 562894

Record Creation Time: 20231110T034042+0000

Record Last Update: 20260829T091327+0000

Ratings and Alerts

No rating or validation information has been found for BV421 Mouse Anti-Mouse ROR γ t Antibody.

No alerts have been found for BV421 Mouse Anti-Mouse ROR γ t Antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 76 mentions in open access literature.

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

Gao X, et al. (2026) H3K27-specific demethylase orchestrates the phenotypic and functional plasticity of intestinal ILC3s. Cell reports, 45(1), 116862.

Fukui T, et al. (2026) A hierarchical Rorc(γ t) cis-regulatory cascade orchestrates differentiation of ROR γ t⁺ innate immune cells. Immunity, 59(4), 953.

Zhou YD, et al. (2026) Tissue-specific tolerance mechanisms and lymph node co-drainage shape T cell immunity in the upper digestive system and pancreatic cancer progression. Cell reports, 45(5), 117324.

Maeda Y, et al. (2026) Mucosal innate immune activation as the trigger to Prevotella species-induced arthritis in genetically resistant mice. Cell reports, 45(1), 116755.

Crotts SB, et al. (2026) ST8Sia6-dependent glycosylation restrains gut inflammation and pathogenic Th1 and Th17 programs. Cell reports, 45(5), 117347.

Yang D, et al. (2026) Interleukin 23 promotes a pro-inflammatory Th17 cell state by stabilizing ROR γ t and suppressing glucocorticoid receptor activity. Immunity.

Seo H, et al. (2026) Development and computational analysis of high dimensional spectral flow cytometry data for the resolution of innate lymphoid cells in the mammary tumor microenvironment. Frontiers in immunology, 17, 1730567.

Sun N, et al. (2026) Tfam-mediated metabolic perturbation in ROR γ t⁺ lymphocytes impacts intestinal tissue homeostasis and promotes GATA3⁺ROR γ t⁺ innate lymphoid cells. Cell reports, 45(2), 116952.

Murakami R, et al. (2026) Foxp3 and BATF cooperatively direct cis-regulatory programs and gene expression for effector Treg cell differentiation. Immunity, 59(5), 1253.

Zhou YD, et al. (2025) T cell fate is dictated by different antigen presenting cells in response to dietary versus gut epithelial self-antigen. bioRxiv : the preprint server for biology.

Haraguchi M, et al. (2025) Transmission of maternal oral pathobionts to the infant gut predisposes offspring to exacerbated enteritis. Cell reports, 44(7), 115974.

Sun Z, et al. (2025) Intestinal-region-specific functions of AHR in intrinsic enteric neurons during infections. Cell reports, 44(4), 115524.

Pereira P, et al. (2025) Inflammatory cytokines mediate the induction of and awakening from metastatic dormancy. *Cell reports*, 44(3), 115388.

Xiong L, et al. (2025) Acute exposure to high-fat diet impairs ILC3 functions and gut homeostasis. *Immunity*, 58(5), 1185.

Zhang FQ, et al. (2025) Zeaxanthin augments CD8⁺ effector T cell function and immunotherapy efficacy. *Cell reports. Medicine*, 6(9), 102324.

Kim SH, et al. (2025) IL-10 sensing by lung interstitial macrophages prevents bacterial dysbiosis-driven pulmonary inflammation and maintains immune homeostasis. *Immunity*, 58(5), 1306.

Gao X, et al. (2025) The transcription factor IRF4 regulates the homeostasis and function of intestinal ILC3s. *iScience*, 28(7), 112800.

Rebeaud J, et al. (2025) Gut-derived metabolites drive Th17 cell pathogenicity in multiple sclerosis. *Cell reports*, 44(10), 116326.

Makhijani P, et al. (2025) Amyloid- β -driven Alzheimer's disease reshapes the colonic immune system in mice. *Cell reports*, 116109.

Xu Y, et al. (2025) Microbiota metabolite taurodeoxycholic acid maintains intestinal tissue residency of innate lymphoid cells via engagement with P2Y₁₀ receptor. *Science advances*, 11(34), eadt9645.