

Resource Summary Report

Generated by [NIF](#) on Aug 1, 2026

BV650 Rat Anti-Mouse CD4

RRID:AB_2716859

Type: Antibody

Proper Citation

BD Biosciences Cat# 563747, RRID:AB_2716859

Antibody Information

URL: http://antibodyregistry.org/AB_2716859

Proper Citation: BD Biosciences Cat# 563747, RRID:AB_2716859

Target Antigen: CD4

Host Organism: rat

Clonality: monoclonal

Comments: Flow cytometry

Antibody Name: BV650 Rat Anti-Mouse CD4

Description: This monoclonal targets CD4

Target Organism: mouse

Clone ID: RM4-5

Antibody ID: AB_2716859

Vendor: BD Biosciences

Catalog Number: 563747

Record Creation Time: 20250819T230251+0000

Record Last Update: 20250820T040720+0000

Ratings and Alerts

No rating or validation information has been found for BV650 Rat Anti-Mouse CD4.

No alerts have been found for BV650 Rat Anti-Mouse CD4.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 14 mentions in open access literature.

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

Cohen JN, et al. (2025) Regulatory T cells in skin utilize the Cxcr4-Cxcl12 axis to promote hair follicle regeneration. Cell reports, 44(11), 116467.

Deng C, et al. (2024) Extracellular-vesicle-packaged S100A11 from osteosarcoma cells mediates lung premetastatic niche formation by recruiting gMDSCs. Cell reports, 43(2), 113751.

Chen XY, et al. (2024) Arming oncolytic M1 virus with gasdermin E enhances antitumor efficacy in breast cancer. iScience, 27(11), 111148.

Hänggi K, et al. (2024) Interleukin-1 β release during necrotic-like cell death generates myeloid-driven immunosuppression that restricts anti-tumor immunity. Cancer cell, 42(12), 2015.

Weckel A, et al. (2023) Long-term tolerance to skin commensals is established neonatally through a specialized dendritic cell subgroup. Immunity, 56(6), 1239.

Merana GR, et al. (2022) Intestinal inflammation alters the antigen-specific immune response to a skin commensal. Cell reports, 39(9), 110891.

Fettig NM, et al. (2022) Inhibition of Th1 activation and differentiation by dietary guar gum ameliorates experimental autoimmune encephalomyelitis. Cell reports, 40(11), 111328.

Arai M, et al. (2022) Protocol to evaluate cell lineage stability of mouse natural and induced regulatory T cells using bisulfite sequencing. STAR protocols, 3(4), 101694.

de Mingo Pulido Á, et al. (2021) The inhibitory receptor TIM-3 limits activation of the cGAS-STING pathway in intra-tumoral dendritic cells by suppressing extracellular DNA uptake. Immunity, 54(6), 1154.

Matias MI, et al. (2021) Regulatory T cell differentiation is controlled by β KG-induced alterations in mitochondrial metabolism and lipid homeostasis. Cell reports, 37(5), 109911.

Chopp LB, et al. (2020) An Integrated Epigenomic and Transcriptomic Map of Mouse and Human $\alpha\alpha$ T Cell Development. Immunity, 53(6), 1182.

Leech JM, et al. (2019) Toxin-Triggered Interleukin-1 Receptor Signaling Enables Early-Life Discrimination of Pathogenic versus Commensal Skin Bacteria. Cell host & microbe, 26(6), 795.

Celis-Gutierrez J, et al. (2019) Quantitative Interactomics in Primary T Cells Provides a Rationale for Concomitant PD-1 and BTLA Coinhibitor Blockade in Cancer Immunotherapy. *Cell reports*, 27(11), 3315.

de Mingo Pulido Á, et al. (2018) TIM-3 Regulates CD103+ Dendritic Cell Function and Response to Chemotherapy in Breast Cancer. *Cancer cell*, 33(1), 60.