

Resource Summary Report

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Rat Anti-CD4 Monoclonal Antibody, Allophycocyanin Conjugated, Clone RM4-5

RRID:AB_398528

Type: Antibody

Proper Citation

BD Biosciences Cat# 553051, RRID:AB_398528

Antibody Information

URL: http://antibodyregistry.org/AB_398528

Proper Citation: BD Biosciences Cat# 553051, RRID:AB_398528

Target Antigen: CD4

Host Organism: rat

Clonality: monoclonal

Comments: Flow cytometry

Antibody Name: Rat Anti-CD4 Monoclonal Antibody, Allophycocyanin Conjugated, Clone RM4-5

Description: This monoclonal targets CD4

Target Organism: mouse

Clone ID: RM4-5

Antibody ID: AB_398528

Vendor: BD Biosciences

Catalog Number: 553051

Record Creation Time: 20250820T023304+0000

Record Last Update: 20250820T135327+0000

Ratings and Alerts

No rating or validation information has been found for Rat Anti-CD4 Monoclonal Antibody, Allophycocyanin Conjugated, Clone RM4-5.

No alerts have been found for Rat Anti-CD4 Monoclonal Antibody, Allophycocyanin Conjugated, Clone RM4-5.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 61 mentions in open access literature.

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

Yin YJ, et al. (2026) IL-4/IL-4R? signaling activates PPAR? to promote oligodendrocyte differentiation and remyelination. *Brain, behavior, and immunity*, 136, 106568.

Yilmaz IC, et al. (2026) Leishmania Extracellular Vesicles as a Preventive Vaccine Platform Against Leishmaniasis. *Journal of extracellular vesicles*, 15(4), e70252.

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.

Chen L, et al. (2026) Bilirubin mitigates ischemic white matter injury by targeting transferrin-receptor-mediated B cell immunometabolism. *Cell reports*, 45(6), 117398.

Ta N, et al. (2026) Targeting p21-High Senescent Kupffer Cells Nanotherapeutically Potentiates Antitumor Immunity in Advanced Hepatocellular Carcinoma with Portal Vein Tumor Thrombus. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, e76384.

Mosialou I, et al. (2025) A niche driven mechanism determines response and a mutation-independent therapeutic approach for myeloid malignancies. *Cancer cell*, 43(6), 1007.

Hua D, et al. (2025) The combination of *Clostridium butyricum* and *Akkermansia muciniphila* mitigates DSS-induced colitis and attenuates colitis-associated tumorigenesis by modulating gut microbiota and reducing CD8+ T cells in mice. *mSystems*, 10(2), e0156724.

Corriveau J, et al. (2025) Inhibition of PAK2 in endothelial cells suppresses tumor angiogenesis and promotes immune sensitization through CXCL10. *Cell reports*, 45(1), 116840.

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*.

Wang H, et al. (2025) Phenotypic plasticity and increased infiltration of peripheral blood-derived TREM1+ mono-macrophages following radiotherapy in rectal cancer. *Cell reports. Medicine*, 6(1), 101887.

Mansoori B, et al. (2025) A K27-linked Ubiquitin Checkpoint Controls NOTCH Homeostasis. *bioRxiv : the preprint server for biology*.

Gao Y, et al. (2025) Trilaciclib triggers a neutrophil-related immune response and sensitizes non-small cell lung cancer to anti-PD-1 therapy. *Cell reports. Medicine*, 6(11), 102434.

Li J, et al. (2024) Amitriptyline revitalizes ICB response via dually inhibiting Kyn/Indole and 5-HT pathways of tryptophan metabolism in ovarian cancer. *iScience*, 27(12), 111488.

Wenzek C, et al. (2024) Lack of canonical thyroid hormone receptor α signaling changes regulatory T cell phenotype in female mice. *iScience*, 27(8), 110547.

Chen J, et al. (2024) Intestinal microbiota imbalance resulted by anti-Toxoplasma gondii immune responses aggravate gut and brain injury. *Parasites & vectors*, 17(1), 284.

Pitter MR, et al. (2024) PAD4 controls tumor immunity via restraining the MHC class II machinery in macrophages. *Cell reports*, 43(3), 113942.

Ichiyama K, et al. (2024) Transcription factor Ikzf1 associates with Foxp3 to repress gene expression in Treg cells and limit autoimmunity and anti-tumor immunity. *Immunity*, 57(9), 2043.

Lee J, et al. (2024) Impaired autophagy in myeloid cells aggravates psoriasis-like skin inflammation through the IL-1 β /CXCL2/neutrophil axis. *Cell & bioscience*, 14(1), 57.

Yang Y, et al. (2024) Dietary vitamin B3 supplementation induces the antitumor immunity against liver cancer via biased GPR109A signaling in myeloid cell. *Cell reports. Medicine*, 5(9), 101718.

Huang J, et al. (2023) SLFN5-mediated chromatin dynamics sculpt higher-order DNA repair topology. *Molecular cell*, 83(7), 1043.