

Resource Summary Report

Generated by ASWG on Aug 9, 2026

CD4 Monoclonal Antibody (RM4-5), PerCP-Cyanine5.5, eBioscience

RRID:AB_1107001

Type: Antibody

Proper Citation

(Thermo Fisher Scientific Cat# 45-0042-82, RRID:AB_1107001)

Antibody Information

URL: http://antibodyregistry.org/AB_1107001

Proper Citation: (Thermo Fisher Scientific Cat# 45-0042-82, RRID:AB_1107001)

Target Antigen: CD4

Host Organism: rat

Clonality: monoclonal

Comments: Applications: Flow

Consolidation on 1/2020: AB_1107001, AB_10324453

Antibody Name: CD4 Monoclonal Antibody (RM4-5), PerCP-Cyanine5.5, eBioscience

Description: This monoclonal targets CD4

Target Organism: mouse

Clone ID: Clone RM4-5

Antibody ID: AB_1107001

Vendor: Thermo Fisher Scientific

Catalog Number: 45-0042-82

Record Creation Time: 20251213T073454+0000

Record Last Update: 20260225T230610+0000

Ratings and Alerts

No rating or validation information has been found for CD4 Monoclonal Antibody (RM4-5), PerCP-Cyanine5.5, eBioscience.

No alerts have been found for CD4 Monoclonal Antibody (RM4-5), PerCP-Cyanine5.5, eBioscience.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 38 mentions in open access literature.

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

Zhang S, et al. (2026) Cancer cell-derived sialylated IgG interacting with Siglec-7/9/10 is a potential immunotherapeutic target in pancreatic cancer. Cell reports. Medicine, 7(3), 102660.

Alouche N, et al. (2026) Homeostatic mature dendritic cells instruct fibroblast specialization via Notch2 signaling to establish T cell niches. Immunity, 59(6), 1688.

Li X, et al. (2025) The direct and indirect inhibition of proinflammatory adipose tissue macrophages by acarbose in diet-induced obesity. Cell reports. Medicine, 6(1), 101883.

Wang T, et al. (2024) The histone lysine methyltransferase MLL1 regulates the activation and functional specialization of regulatory T cells. Cell reports, 43(5), 114222.

Chen C, et al. (2024) Soluble Tim-3 serves as a tumor prognostic marker and therapeutic target for CD8+ T cell exhaustion and anti-PD-1 resistance. Cell reports. Medicine, 5(8), 101686.

Tokifuji BY, et al. (2024) Targeting abatacept-resistant T-helper-17 cells by aldehyde dehydrogenase inhibition. iScience, 27(1), 108646.

Wang T, et al. (2024) Probiotics and their metabolite spermidine enhance IFN- γ +CD4+ T cell immunity to inhibit hepatitis B virus. Cell reports. Medicine, 5(11), 101822.

Srirat T, et al. (2024) NR4a1/2 deletion promotes accumulation of TCF1+ stem-like precursors of exhausted CD8+ T cells in the tumor microenvironment. Cell reports, 43(3), 113898.

Montégut L, et al. (2024) Acyl-coenzyme A binding protein (ACBP) - a risk factor for cancer diagnosis and an inhibitor of immunosurveillance. Molecular cancer, 23(1), 187.

Bencsics M, et al. (2023) PARP2 downregulation in T cells ameliorates lipopolysaccharide-induced inflammation of the large intestine. Frontiers in immunology, 14, 1135410.

O'Neill TJ, et al. (2023) TRAF6 controls T cell homeostasis by maintaining the equilibrium of MALT1 scaffolding and protease functions. *Frontiers in immunology*, 14, 1111398.

Liao W, et al. (2023) Calcaratarin D, a labdane diterpenoid, attenuates mouse asthma via modulating alveolar macrophage function. *British journal of pharmacology*, 180(8), 1056.

Gu Q, et al. (2023) The splicing isoform Foxp3^{Δ2} differentially regulates tTreg and pTreg homeostasis. *Cell reports*, 42(8), 112877.

Yu T, et al. (2023) TRIM11 attenuates Treg cell differentiation by p62-selective autophagic degradation of AIM2. *Cell reports*, 42(10), 113231.

Mielczarek O, et al. (2023) Intra- and interchromosomal contact mapping reveals the Igh locus has extensive conformational heterogeneity and interacts with B-lineage genes. *Cell reports*, 42(9), 113074.

Moleón J, et al. (2023) Targeting the gut microbiota with dietary fibers: a novel approach to prevent the development cardiovascular complications linked to systemic lupus erythematosus in a preclinical study. *Gut microbes*, 15(2), 2247053.

Thumkeo D, et al. (2022) PGE2-EP2/EP4 signaling elicits immunosuppression by driving the mregDC-Treg axis in inflammatory tumor microenvironment. *Cell reports*, 39(10), 110914.

Cucolo L, et al. (2022) The interferon-stimulated gene RIPK1 regulates cancer cell intrinsic and extrinsic resistance to immune checkpoint blockade. *Immunity*, 55(4), 671.

Cortes JR, et al. (2022) Oncogenic Vav1-Myo1f induces therapeutically targetable macrophage-rich tumor microenvironment in peripheral T cell lymphoma. *Cell reports*, 39(3), 110695.

Zindl CL, et al. (2022) A nonredundant role for T cell-derived interleukin 22 in antibacterial defense of colonic crypts. *Immunity*, 55(3), 494.