

Resource Summary Report

Generated by NIF on Jul 30, 2026

CD45

RRID:AB_394609

Type: Antibody

Proper Citation

(BD Biosciences Cat# 553079, RRID:AB_394609)

Antibody Information

URL: http://antibodyregistry.org/AB_394609

Proper Citation: (BD Biosciences Cat# 553079, RRID:AB_394609)

Target Antigen: CD45

Host Organism: rat

Clonality: monoclonal

Comments: Applications: Flow cytometry

Antibody Name: CD45

Description: This monoclonal targets CD45

Target Organism: mouse

Antibody ID: AB_394609

Vendor: BD Biosciences

Catalog Number: 553079

Record Creation Time: 20260526T044340+0000

Record Last Update: 20260526T044340+0000

Ratings and Alerts

No rating or validation information has been found for CD45.

No alerts have been found for CD45.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 36 mentions in open access literature.

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

Liu J, et al. (2026) Extracellular GPX4 impairs antitumor immunity via dendritic ZP3 receptors. *Cell*.

Buglino JA, et al. (2025) Chalkophore-mediated respiratory oxidase flexibility controls M. tuberculosis virulence. *eLife*, 14.

Wu Y, et al. (2025) DA-DRD5 signaling reprograms B cells to promote CD8+ T cell-mediated antitumor immunity. *Cell reports*, 44(3), 115364.

Wu CY, et al. (2025) Glucose restriction shapes pre-metastatic innate immune landscapes in the lung through exosomal TRAIL. *Cell*.

Gehrs S, et al. (2025) DNMT3A-dependent DNA methylation shapes the endothelial enhancer landscape. *Nucleic acids research*, 53(10).

Moraitis I, et al. (2025) Mucosal Macrophages Govern Intestinal Regeneration in Response to Injury. *Gastroenterology*, 169(1), 119.

Gehrs S, et al. (2025) The spatial zonation of the murine placental vasculature is specified by epigenetic mechanisms. *Developmental cell*, 60(10), 1467.

Clarke D, et al. (2025) A vascular-associated fibroblastic cell controls pancreatic islet immunity. *Cell reports*, 44(9), 116189.

Zhang Y, et al. (2025) LAMP2A-mediated neuronal hyperexcitability by enhancing NKA?1 degradation underlies depression-induced allodynia. *Cell reports*, 44(4), 115489.

Van Laethem JL, et al. (2025) CD40 agonist mitazalimab with mFOLFIRINOX in untreated metastatic pancreatic cancer: Biomarkers associated with outcomes from OPTIMIZE-1. *Cell reports. Medicine*, 6(10), 102407.

Buglino JA, et al. (2024) Chalkophore mediated respiratory oxidase flexibility controls M. tuberculosis virulence. *bioRxiv : the preprint server for biology*.

Zhang Z, et al. (2024) CYP7B1-mediated 25-hydroxycholesterol degradation maintains quiescence-activation balance and improves therapeutic potential of mesenchymal stem cells. *Cell chemical biology*.

Liu C, et al. (2024) Niche inflammatory signals control oscillating mammary regeneration and protect stem cells from cytotoxic stress. *Cell stem cell*, 31(1), 89.

Chen W, et al. (2024) Zdhhc1- and Zdhhc2-mediated Gpm6a palmitoylation is essential for maintenance of mammary stem cell activity. *Cell reports*, 43(9), 114762.

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.

Lameris R, et al. (2023) A bispecific T cell engager recruits both type 1 NKT and V α 9V β 2-T cells for the treatment of CD1d-expressing hematological malignancies. *Cell reports. Medicine*, 4(3), 100961.

Zhang Q, et al. (2023) *Lactobacillus plantarum*-derived indole-3-lactic acid ameliorates colorectal tumorigenesis via epigenetic regulation of CD8⁺ T cell immunity. *Cell metabolism*, 35(6), 943.

Wang Z, et al. (2022) Leucine-tRNA-synthase-2-expressing B cells contribute to colorectal cancer immunoevasion. *Immunity*, 55(6), 1067.

Wang J, et al. (2022) Isolation of mouse pancreatic islet Procr⁺ progenitors and long-term expansion of islet organoids in vitro. *Nature protocols*, 17(5), 1359.

Wang J, et al. (2022) Selective YAP activation in Procr cells is essential for ovarian stem/progenitor expansion and epithelium repair. *eLife*, 11.