

Resource Summary Report

Generated by NIF on Jul 28, 2026

Pacific Blue(TM) anti-human CD45

RRID:AB_2174123

Type: Antibody

Proper Citation

BioLegend Cat# 304029, RRID:AB_2174123

Antibody Information

URL: http://antibodyregistry.org/AB_2174123

Proper Citation: BioLegend Cat# 304029, RRID:AB_2174123

Target Antigen: CD45

Host Organism: mouse

Clonality: monoclonal

Comments: Applications: FC

Antibody Name: Pacific Blue(TM) anti-human CD45

Description: This monoclonal targets CD45

Target Organism: human

Clone ID: Clone HI30

Antibody ID: AB_2174123

Vendor: BioLegend

Catalog Number: 304029

Alternative Catalog Numbers: 304022, 304021

Record Creation Time: 20250820T025958+0000

Record Last Update: 20250820T150440+0000

Ratings and Alerts

No rating or validation information has been found for Pacific Blue(TM) anti-human CD45.

No alerts have been found for Pacific Blue(TM) anti-human CD45.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 32 mentions in open access literature.

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

Ambrosi TH, et al. (2025) Human skeletal development and regeneration are shaped by functional diversity of stem cells across skeletal sites. *Cell stem cell*, 32(5), 811.

Naef P, et al. (2025) IL-33/ST2 signaling in ILC2s drives exhaustion and myeloid skewing of HSCs in response to hematopoietic stress and aging. *iScience*, 28(5), 112378.

Gao H, et al. (2025) BACH2 promotes seeding and establishment of long-lived HIV-1 reservoir in memory CD4+ T cells. *Cell reports. Medicine*, 6(9), 102311.

Braun LM, et al. (2025) Adiponectin reduces immune checkpoint inhibitor-induced inflammation without blocking anti-tumor immunity. *Cancer cell*, 43(2), 269.

Yang Y, et al. (2025) SOX4-ZIP14-zinc metabolism mediates oncogenesis and suppresses T cell immunity in nasopharyngeal carcinoma. *Cell reports. Medicine*, 6(9), 102300.

Wang Q, et al. (2024) The CARD8 inflammasome dictates HIV/SIV pathogenesis and disease progression. *Cell*, 187(5), 1223.

Giovenzana A, et al. (2024) Fat-to-blood recirculation of partially dysfunctional PD-1+CD4 Tconv cells is associated with dysglycemia in human obesity. *iScience*, 27(3), 109032.

Teijeira A, et al. (2024) Low-Dose Ionizing γ -Radiation Elicits the Extrusion of Neutrophil Extracellular Traps. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 30(18), 4131.

Ali LR, et al. (2023) PD-1 blockade induces reactivation of non-productive T cell responses characterized by NF- κ B signaling in patients with pancreatic cancer. *Clinical cancer research : an official journal of the American Association for Cancer Research*.

Aranda-Orgilles B, et al. (2023) Preclinical Evidence of an Allogeneic Dual CD20xCD22 CAR to Target a Broad Spectrum of Patients with B-cell Malignancies. *Cancer immunology research*, 11(7), 946.

Krämer B, et al. (2023) Single-cell RNA sequencing identifies a population of human liver-type ILC1s. *Cell reports*, 42(1), 111937.

Hoover MY, et al. (2023) Purification and functional characterization of novel human skeletal stem cell lineages. *Nature protocols*, 18(7), 2256.

Herzig MC, et al. (2023) Short-term assays for mesenchymal stromal cell immunosuppression of T-lymphocytes. *Frontiers in immunology*, 14, 1225047.

Ferrari S, et al. (2022) Choice of template delivery mitigates the genotoxic risk and adverse impact of editing in human hematopoietic stem cells. *Cell stem cell*, 29(10), 1428.

Jaiswal A, et al. (2022) An activation to memory differentiation trajectory of tumor-infiltrating lymphocytes informs metastatic melanoma outcomes. *Cancer cell*, 40(5), 524.

Liu X, et al. (2022) CD16+ fibroblasts foster a trastuzumab-refractory microenvironment that is reversed by VAV2 inhibition. *Cancer cell*, 40(11), 1341.

Omer-Javed A, et al. (2022) Mobilization-based chemotherapy-free engraftment of gene-edited human hematopoietic stem cells. *Cell*, 185(13), 2248.

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

Caduff N, et al. (2021) KSHV infection drives poorly cytotoxic CD56-negative natural killer cell differentiation in vivo upon KSHV/EBV dual infection. *Cell reports*, 35(5), 109056.

Iwabuchi R, et al. (2021) Development of an Inflammatory CD14+ Dendritic Cell Subset in Humanized Mice. *Frontiers in immunology*, 12, 643040.