

Resource Summary Report

Generated by [dkNET](#) on Sep 5, 2026

Purified anti-human CD45

RRID:AB_314390

Type: Antibody

Proper Citation

BioLegend Cat# 304002, RRID:AB_314390

Antibody Information

URL: http://antibodyregistry.org/AB_314390

Proper Citation: BioLegend Cat# 304002, RRID:AB_314390

Target Antigen: CD45

Host Organism: mouse

Clonality: monoclonal

Comments: Applications: FC, CyTOF®, IHC-P, WB, IHC-F, ICC

Antibody Name: Purified anti-human CD45

Description: This monoclonal targets CD45

Target Organism: human

Clone ID: Clone HI30

Antibody ID: AB_314390

Vendor: BioLegend

Catalog Number: 304002

Alternative Catalog Numbers: 304001

Record Creation Time: 20231110T044958+0000

Record Last Update: 20260829T005118+0000

Ratings and Alerts

- Used for cytometry time of flight assay by the Human Islet Research Network community. Contact(s): [Bernd Bodenmiller](https://hirnetwork.org/) - Human Islets Research Network <https://hirnetwork.org/>

No alerts have been found for Purified anti-human CD45.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 35 mentions in open access literature.

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

Yang Z, et al. (2026) Syndecan-1-targeted therapeutic antibody impairs macropinocytosis and elicits antitumor immunity in pancreatic cancer. Cell reports. Medicine, 7(2), 102613.

Babdor J, et al. (2026) Immune-microbiome coordination defines interferon setpoints in healthy humans. Cell, 189(10), 3144.

Xu J, et al. (2025) Minimally invasive diagnosis of precancerous cervical lesions using single-cell peripheral immune atlas. Cell reports. Medicine, 6(6), 102149.

Horbach N, et al. (2025) Visualization of calpain-1 activation during cell death and its role in GSDMD cleavage using chemical probes. Cell chemical biology, 32(4), 603.

Stankiewicz LN, et al. (2025) Sex-biased human thymic architecture guides T cell development through spatially defined niches. Developmental cell, 60(1), 152.

Simoni-Nieves A, et al. (2024) A bispecific antibody targeting EGFR and AXL delays resistance to osimertinib. Cell reports. Medicine, 5(9), 101703.

Chauhan SK, et al. (2024) Peripheral immune cells in metastatic breast cancer patients display a systemic immunosuppressed signature consistent with chronic inflammation. NPJ breast cancer, 10(1), 30.

Kong XX, et al. (2024) Circulation immune cell landscape in canonical pathogenesis of colorectal adenocarcinoma by CyTOF analysis. iScience, 27(3), 109229.

Kaczanowska S, et al. (2024) Immune determinants of CAR-T cell expansion in solid tumor patients receiving GD2 CAR-T cell therapy. Cancer cell, 42(1), 35.

Loh L, et al. (2024) Unraveling the phenotypic states of human innate-like T cells: Comparative insights with conventional T cells and mouse models. Cell reports, 43(9), 114705.

Zhu Y, et al. (2023) Opioid-induced fragile-like regulatory T cells contribute to withdrawal. Cell, 186(3), 591.

Zhang Z, et al. (2023) Single-cell mapping reveals several immune subsets associated with liver metastasis of pancreatic ductal adenocarcinoma. *Med (New York, N.Y.)*, 4(10), 728.

Xu Y, et al. (2023) CD16⁺ monocytes are involved in the hyper-inflammatory state of Prader-Willi Syndrome by single-cell transcriptomic analysis. *Frontiers in immunology*, 14, 1153730.

Yu S, et al. (2023) Systemic immune profiling of Omicron-infected subjects inoculated with different doses of inactivated virus vaccine. *Cell*, 186(21), 4615.

Schmidt F, et al. (2023) In-depth analysis of human virus-specific CD8⁺ T cells delineates unique phenotypic signatures for T cell specificity prediction. *Cell reports*, 42(10), 113250.

Trobisch T, et al. (2022) Cross-regional homeostatic and reactive glial signatures in multiple sclerosis. *Acta neuropathologica*, 144(5), 987.

De Vargas Roditi L, et al. (2022) Single-cell proteomics defines the cellular heterogeneity of localized prostate cancer. *Cell reports. Medicine*, 3(4), 100604.

Feyaerts D, et al. (2022) Integrated plasma proteomic and single-cell immune signaling network signatures demarcate mild, moderate, and severe COVID-19. *Cell reports. Medicine*, 3(7), 100680.

Alpert A, et al. (2022) Alignment of single-cell trajectories by tuMap enables high-resolution quantitative comparison of cancer samples. *Cell systems*, 13(1), 71.

Schwabenland M, et al. (2021) Deep spatial profiling of human COVID-19 brains reveals neuroinflammation with distinct microanatomical microglia-T-cell interactions. *Immunity*, 54(7), 1594.