

Resource Summary Report

Generated by PRECISE-TBI on Aug 9, 2026

Purified anti-human CD4

RRID:AB_314070

Type: Antibody

Proper Citation

BioLegend Cat# 300502, RRID:AB_314070

Antibody Information

URL: http://antibodyregistry.org/AB_314070

Proper Citation: BioLegend Cat# 300502, RRID:AB_314070

Target Antigen: CD4

Host Organism: mouse

Clonality: monoclonal

Comments: Applications: FC, CyTOF®, Activ, Block, IHC

Antibody Name: Purified anti-human CD4

Description: This monoclonal targets CD4

Target Organism: human

Clone ID: Clone RPA-T4

Antibody ID: AB_314070

Vendor: BioLegend

Catalog Number: 300502

Alternative Catalog Numbers: 300501

Record Creation Time: 20250819T235649+0000

Record Last Update: 20250820T065428+0000

Ratings and Alerts

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

No alerts have been found for Purified anti-human CD4.

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 [PRECISE-TBI](#) .

Wang H, et al. (2026) Spatial proximity sequencing maps developmental dynamics in the germinal center. *Cell*.

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.

Chen Q, et al. (2025) Systems-level immunomonitoring in children with solid tumors to enable precision medicine. *Cell*, 188(5), 1425.

Tan Z, et al. (2025) Immune development differs between preterm newborns fed mothers' own milk and donor milk. *iScience*, 28(7), 112918.

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

Montalban-Bravo G, et al. (2024) Targeting MCL1-driven anti-apoptotic pathways overcomes blast progression after hypomethylating agent failure in chronic myelomonocytic leukemia. *Cell reports. Medicine*, 5(6), 101585.

Forsthuber A, et al. (2024) Cancer-associated fibroblast subtypes modulate the tumor-immune microenvironment and are associated with skin cancer malignancy. *Nature communications*, 15(1), 9678.

Ryu H, et al. (2024) Merkel cell polyomavirus-specific and CD39+CLA+ CD8 T cells as blood-based predictive biomarkers for PD-1 blockade in Merkel cell carcinoma. *Cell reports. Medicine*, 5(2), 101390.

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.

Rosain J, et al. (2023) Human IRF1 governs macrophagic IFN- γ immunity to mycobacteria. *Cell*, 186(3), 621.

Mayer-Blackwell K, et al. (2023) mRNA vaccination boosts S-specific T cell memory and promotes expansion of CD45RA^{int} TEMRA-like CD8⁺ T cells in COVID-19 recovered individuals. *Cell reports. Medicine*, 4(8), 101149.

Salomé B, et al. (2022) NKG2A and HLA-E define an alternative immune checkpoint axis in bladder cancer. *Cancer cell*, 40(9), 1027.

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.

Peng T, et al. (2021) Tissue-Resident-Memory CD8⁺ T Cells Bridge Innate Immune Responses in Neighboring Epithelial Cells to Control Human Genital Herpes. *Frontiers in immunology*, 12, 735643.

Henrick BM, et al. (2021) Bifidobacteria-mediated immune system imprinting early in life. *Cell*, 184(15), 3884.

Leader AM, et al. (2021) Single-cell analysis of human non-small cell lung cancer lesions refines tumor classification and patient stratification. *Cancer cell*, 39(12), 1594.

Roussel M, et al. (2021) Comparative immune profiling of acute respiratory distress syndrome patients with or without SARS-CoV-2 infection. *Cell reports. Medicine*, 2(6), 100291.

Mo Y, et al. (2021) Imaging and analysis on the interaction between human antigen-pulsed V α 2 T cells and antigen-specific CD4 T cells. *STAR protocols*, 2(2), 100453.

Taft J, et al. (2021) Human TBK1 deficiency leads to autoinflammation driven by TNF-induced cell death. *Cell*, 184(17), 4447.

Chevrier S, et al. (2021) A distinct innate immune signature marks progression from mild to severe COVID-19. *Cell reports. Medicine*, 2(1), 100166.