

Resource Summary Report

Generated by [ASWG](#) on Aug 11, 2026

CD4

RRID:AB_397037

Type: Antibody

Proper Citation

BD Biosciences Cat# 558116, RRID:AB_397037

Antibody Information

URL: http://antibodyregistry.org/AB_397037

Proper Citation: BD Biosciences Cat# 558116, RRID:AB_397037

Target Antigen: CD4

Host Organism: mouse

Clonality: monoclonal

Comments: Flow cytometry

Antibody Name: CD4

Description: This monoclonal targets CD4

Target Organism: human

Antibody ID: AB_397037

Vendor: BD Biosciences

Catalog Number: 558116

Record Creation Time: 20250820T043020+0000

Record Last Update: 20250820T190904+0000

Ratings and Alerts

- Used for flow cytometry assay by the Human Islet Research Network community. Contact(s): [Jing Chen](#), [Mark Atkinson](#), [Todd Brusko](#), [Clayton Mathews](#) - Human Islets Research Network <https://hirnetwork.org/>

No alerts have been found for CD4.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 17 mentions in open access literature.

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

Chiffelle J, et al. (2024) Tumor-reactive T cell clonotype dynamics underlying clinical response to TIL therapy in melanoma. *Immunity*, 57(10), 2466.

Valeri E, et al. (2024) A novel STING variant triggers endothelial toxicity and SAVI disease. *The Journal of experimental medicine*, 221(9).

Afsahi A, et al. (2023) LCL161 enhances expansion and survival of engineered anti-tumor T cells but is restricted by death signaling. *Frontiers in immunology*, 14, 1179827.

Lineburg KE, et al. (2023) Breakthrough SARS-COV-2 infection induces broad anti-viral T cell immunity. *iScience*, 26(12), 108474.

Genolet R, et al. (2023) TCR sequencing and cloning methods for repertoire analysis and isolation of tumor-reactive TCRs. *Cell reports methods*, 3(4), 100459.

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

Garcia-Bates TM, et al. (2021) Dendritic cells focus CTL responses toward highly conserved and topologically important HIV-1 epitopes. *EBioMedicine*, 63, 103175.

Glassman CR, et al. (2021) Structural basis for IL-12 and IL-23 receptor sharing reveals a gateway for shaping actions on T versus NK cells. *Cell*, 184(4), 983.

Chen J, et al. (2021) Synthesis and use of an amphiphilic dendrimer for siRNA delivery into primary immune cells. *Nature protocols*, 16(1), 327.

Dziedzic K, et al. (2021) Release of adenosine-induced immunosuppression: Comprehensive characterization of dual A2A/A2B receptor antagonist. *International immunopharmacology*, 96, 107645.

Lee JY, et al. (2020) Serum Amyloid A Proteins Induce Pathogenic Th17 Cells and Promote Inflammatory Disease. *Cell*, 180(1), 79.

Gannon PO, et al. (2020) Development of an optimized closed and semi-automatic protocol for Good Manufacturing Practice manufacturing of tumor-infiltrating lymphocytes in a hospital environment. *Cytotherapy*, 22(12), 780.

Casas R, et al. (2020) Glutamic Acid Decarboxylase Injection Into Lymph Nodes: Beta Cell Function and Immune Responses in Recent Onset Type 1 Diabetes Patients. *Frontiers in immunology*, 11, 564921.

Vinogradova EV, et al. (2020) An Activity-Guided Map of Electrophile-Cysteine Interactions in Primary Human T Cells. *Cell*, 182(4), 1009.

Kristoff J, et al. (2019) Type 1-programmed dendritic cells drive antigen-specific latency reversal and immune elimination of persistent HIV-1. *EBioMedicine*, 43, 295.

Xia X, et al. (2019) Humanized NOD/SCID/IL2r[?]null (hu-NSG) Mouse Model for HIV Replication and Latency Studies. *Journal of visualized experiments : JoVE*(143).

Shen-Orr SS, et al. (2016) Defective Signaling in the JAK-STAT Pathway Tracks with Chronic Inflammation and Cardiovascular Risk in Aging Humans. *Cell systems*, 3(4), 374.