

Resource Summary Report

Generated by [nidm-terms](#) on Aug 9, 2026

PE/Cyanine7 anti-human CD4

RRID:AB_314080

Type: Antibody

Proper Citation

BioLegend Cat# 300512, RRID:AB_314080

Antibody Information

URL: http://antibodyregistry.org/AB_314080

Proper Citation: BioLegend Cat# 300512, RRID:AB_314080

Target Antigen: CD4

Host Organism: mouse

Clonality: monoclonal

Comments: Applications: FC

Antibody Name: PE/Cyanine7 anti-human CD4

Description: This monoclonal targets CD4

Target Organism: human

Clone ID: Clone RPA-T4

Antibody ID: AB_314080

Vendor: BioLegend

Catalog Number: 300512

Alternative Catalog Numbers: 300511

Record Creation Time: 20250820T045008+0000

Record Last Update: 20250820T200345+0000

Ratings and Alerts

No rating or validation information has been found for PE/Cyanine7 anti-human CD4.

No alerts have been found for PE/Cyanine7 anti-human CD4.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 18 mentions in open access literature.

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

Xu Y, et al. (2025) Sensitized mast cells for targeted drug delivery and augmented cancer immunotherapy. *Cell*.

Reeves DB, et al. (2025) Mild HIV-specific selective forces overlaying natural CD4+ T cell dynamics explain the clonality and decay dynamics of HIV reservoir cells. *Cell systems*, 101402.

Arbués A, et al. (2025) Soluble immune mediators orchestrate protective in vitro granulomatous responses across Mycobacterium tuberculosis complex lineages. *eLife*, 13.

Moskovljevic M, et al. (2024) Cognate antigen engagement induces HIV-1 expression in latently infected CD4+ T cells from people on long-term antiretroviral therapy. *Immunity*, 57(12), 2928.

Kume M, et al. (2024) Downregulation of semaphorin 4A in keratinocytes reflects the features of non-lesional psoriasis. *eLife*, 13.

MacDonald L, et al. (2024) Synovial tissue myeloid dendritic cell subsets exhibit distinct tissue-niche localization and function in health and rheumatoid arthritis. *Immunity*, 57(12), 2843.

Albanese M, et al. (2024) Receptor transfer between immune cells by autoantibody-enhanced, CD32-driven trogocytosis is hijacked by HIV-1 to infect resting CD4 T cells. *Cell reports. Medicine*, 5(4), 101483.

Baßler K, et al. (2023) Identification of the novel FOXP3-dependent Treg cell transcription factor MEOX1 by high-dimensional analysis of human CD4+ T cells. *Frontiers in immunology*, 14, 1107397.

Wang H, et al. (2023) Multi-omics blood atlas reveals unique features of immune and platelet responses to SARS-CoV-2 Omicron breakthrough infection. *Immunity*, 56(6), 1410.

Saotome K, et al. (2023) Structural analysis of cancer-relevant TCR-CD3 and peptide-MHC complexes by cryoEM. *Nature communications*, 14(1), 2401.

Ke S, et al. (2022) High-level of intratumoral GITR+ CD4 T cells associate with poor prognosis in gastric cancer. *iScience*, 25(12), 105529.

Lopez P, et al. (2022) T cell migration potentiates HIV infection by enhancing viral fusion and integration. *Cell reports*, 38(8), 110406.

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

Nesterenko PA, et al. (2021) HLA-A*02:01 restricted T cell receptors against the highly conserved SARS-CoV-2 polymerase cross-react with human coronaviruses. *Cell reports*, 37(13), 110167.

Muliaditan T, et al. (2021) Synergistic T cell signaling by 41BB and CD28 is optimally achieved by membrane proximal positioning within parallel chimeric antigen receptors. *Cell reports. Medicine*, 2(12), 100457.

Park JA, et al. (2021) Modulating tumor infiltrating myeloid cells to enhance bispecific antibody-driven T cell infiltration and anti-tumor response. *Journal of hematology & oncology*, 14(1), 142.

Dai B, et al. (2021) Dual targeting of lymphocyte homing and retention through $\alpha 4\beta 7$ and $\alpha E\beta 7$ inhibition in inflammatory bowel disease. *Cell reports. Medicine*, 2(8), 100381.

Ratnapriya S, et al. (2021) Intra- and extra-cellular environments contribute to the fate of HIV-1 infection. *Cell reports*, 36(9), 109622.