

Resource Summary Report

Generated by ASWG on Aug 15, 2026

PE/Cyanine7 anti-mouse CD4

RRID:AB_312729

Type: Antibody

Proper Citation

BioLegend Cat# 100528, RRID:AB_312729

Antibody Information

URL: http://antibodyregistry.org/AB_312729

Proper Citation: BioLegend Cat# 100528, RRID:AB_312729

Target Antigen: CD4

Host Organism: rat

Clonality: monoclonal

Comments: Applications: FC

Antibody Name: PE/Cyanine7 anti-mouse CD4

Description: This monoclonal targets CD4

Target Organism: mouse

Clone ID: Clone RM4-5

Antibody ID: AB_312729

Vendor: BioLegend

Catalog Number: 100528

Alternative Catalog Numbers: 100527

Record Creation Time: 20250819T235846+0000

Record Last Update: 20250820T070028+0000

Ratings and Alerts

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

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

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 58 mentions in open access literature.

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

Qiao S, et al. (2026) Microbiota utilization of intestinal amino acids modulates cancer progression and anticancer immunity. *Cell host & microbe*, 34(1), 18.

Li X, et al. (2026) The TCR-SUB1-DOCK2 axis promotes autoimmunity by driving pathogenic CD4+ T cell tissue infiltration. *Immunity*, 59(1), 98.

Wang H, et al. (2026) Regulation of neutrophil homeostasis by the TNFAIP8 family of polarity proteins. *Cell reports*, 45(7), 117694.

Bing S, et al. (2026) Integrated computational and experimental immunoengineering of adeno-associated virus capsid T cell epitopes in mice. *Nature communications*, 17(1).

Fercoq F, et al. (2026) Integrin-dependent neutrophil slowing reduces lung perfusion and supports metastasis in a model of breast cancer. *Cell reports*, 45(3), 117101.

Childress AR, et al. (2026) EZH1/2 inhibition improves immunotherapy response through MHC Class II de-repression and neutrophil reprogramming. *bioRxiv : the preprint server for biology*.

Scott-Solomon E, et al. (2026) Stress-induced sympathetic hyperactivation drives hair follicle necrosis to trigger autoimmunity. *Cell*, 189(1), 252.

Yu H, et al. (2025) UDP-GlcUA triggers PKR kinase activity to promote liquid-liquid phase separation of TOP2A and enhances radioimmunotherapy resistance. *Molecular cell*, 85(21), 3913.

Makhijani P, et al. (2025) Amyloid- β -driven Alzheimer's disease reshapes the colonic immune system in mice. *Cell reports*, 116109.

Blidner AG, et al. (2025) Glycosylation-driven programs coordinate immunoregulatory and pro-angiogenic functions of myeloid-derived suppressor cells. *Immunity*, 58(6), 1553.

Deng T, et al. (2025) CINTER-seq: Chemical profiling reveals interaction-dependent cell landscapes and gene signatures in vivo. *Immunity*, 58(9), 2336.

Sharma P, et al. (2025) Smoking-induced gut microbial dysbiosis mediates cancer progression through modulation of anti-tumor immune response. *iScience*, 28(3), 112002.

Hao Y, et al. (2025) Complement component C6 deficiency exacerbates colorectal tumorigenesis by abolishing membrane attack complex formation and potentiating M2-like tumor-associated macrophage responses. *International immunopharmacology*, 166, 115576.

Huang L, et al. (2025) Interferon-driven CAF reprogramming augments immunogenic response to neoadjuvant radiotherapy in colorectal cancer. *Cell reports. Medicine*, 6(8), 102251.

Srivastava N, et al. (2024) CXCL16-dependent scavenging of oxidized lipids by islet macrophages promotes differentiation of pathogenic CD8⁺ T cells in diabetic autoimmunity. *Immunity*, 57(7), 1629.

Cordeiro B, et al. (2024) Obesity intensifies sex-specific interferon signaling to selectively worsen central nervous system autoimmunity in females. *Cell metabolism*, 36(10), 2298.

Kim D, et al. (2024) Inhibitory co-receptor Lag3 supports Foxp3⁺ regulatory T cell function by restraining Myc-dependent metabolic programming. *Immunity*, 57(11), 2634.

Zhang J, et al. (2024) Osr2 functions as a biomechanical checkpoint to aggravate CD8⁺ T cell exhaustion in tumor. *Cell*, 187(13), 3409.

Chen J, et al. (2024) Deficiency of lncRNA MERRICAL abrogates macrophage chemotaxis and diabetes-associated atherosclerosis. *Cell reports*, 43(3), 113815.

Fukushima H, et al. (2024) Phototruncation cell tracking with near-infrared photoimmunotherapy using heptamethine cyanine dye to visualise migratory dynamics of immune cells. *EBioMedicine*, 102, 105050.