

Resource Summary Report

Generated by NIF on Jul 29, 2026

CD45

RRID:AB_396609

Type: Antibody

Proper Citation

BD Biosciences Cat# 557235, RRID:AB_396609

Antibody Information

URL: http://antibodyregistry.org/AB_396609

Proper Citation: BD Biosciences Cat# 557235, RRID:AB_396609

Target Antigen: CD45

Host Organism: rat

Clonality: monoclonal

Comments: Applications: Flow cytometry

Antibody Name: CD45

Description: This monoclonal targets CD45

Target Organism: mouse

Antibody ID: AB_396609

Vendor: BD Biosciences

Catalog Number: 557235

Record Creation Time: 20250820T054752+0000

Record Last Update: 20250820T222849+0000

Ratings and Alerts

No rating or validation information has been found for CD45.

No alerts have been found for CD45.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 20 mentions in open access literature.

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

Chenuet P, et al. (2025) Birch pollen allergen-induced dsDNA release activates cGAS-STING signaling and type 2 immune response in mice. *iScience*, 28(5), 112324.

Fan CY, et al. (2025) Divergent sex-specific pannexin-1 mechanisms in microglia and T??cells underlie neuropathic pain. *Neuron*, 113(6), 896.

Fan Z, et al. (2024) Macrophages preserve endothelial cell specialization in the adrenal gland to modulate aldosterone secretion and blood pressure. *Cell reports*, 43(7), 114395.

Wang Y, et al. (2024) Post-translational toxin modification by lactate controls *Staphylococcus aureus* virulence. *Nature communications*, 15(1), 9835.

Yang W, et al. (2024) ZnPP-laden nanoparticles improve glucose homeostasis and chronic inflammation during obesity. *British journal of pharmacology*, 181(16), 2886.

Jia X, et al. (2024) High expression of oleoyl-ACP hydrolase underpins life-threatening respiratory viral diseases. *Cell*, 187(17), 4586.

Schmitt P, et al. (2024) TL1A is an epithelial alarmin that cooperates with IL-33 for initiation of allergic airway inflammation. *The Journal of experimental medicine*, 221(6).

Burganova G, et al. (2023) Pericytes modulate islet immune cells and insulin secretion through Interleukin-33 production in mice. *Frontiers in endocrinology*, 14, 1142988.

Modur V, et al. (2023) Mechanism of inert inflammation in an immune checkpoint blockade-resistant tumor subtype bearing transcription elongation defects. *Cell reports*, 42(4), 112364.

Kamte YS, et al. (2023) Perturbations in neural stem cell function during a neurotropic viral infection in juvenile mice. *Journal of neurochemistry*, 166(5), 809.

Sinha T, et al. (2022) Differential Etv2 threshold requirement for endothelial and erythropoietic development. *Cell reports*, 39(9), 110881.

Howe CL, et al. (2022) Inflammatory monocytes and microglia play independent roles in inflammatory ictogenesis. *Journal of neuroinflammation*, 19(1), 22.

van Gils N, et al. (2022) Targeting histone methylation to reprogram the transcriptional state that drives survival of drug-tolerant myeloid leukemia persists. *iScience*, 25(9), 105013.

Cousin N, et al. (2021) Lymphatic PD-L1 Expression Restricts Tumor-Specific CD8+ T-cell Responses. *Cancer research*, 81(15), 4133.

Yun H, et al. (2020) Production of the Cytokine VEGF-A by CD4+ T and Myeloid Cells Disrupts the Corneal Nerve Landscape and Promotes Herpes Stromal Keratitis. *Immunity*, 53(5), 1050.

Veerman K, et al. (2019) Single-Cell Analysis Reveals Heterogeneity of High Endothelial Venules and Different Regulation of Genes Controlling Lymphocyte Entry to Lymph Nodes. *Cell reports*, 26(11), 3116.

Scott RW, et al. (2019) Hic1 Defines Quiescent Mesenchymal Progenitor Subpopulations with Distinct Functions and Fates in Skeletal Muscle Regeneration. *Cell stem cell*, 25(6), 797.

Liew PX, et al. (2017) iNKT Cells Orchestrate a Switch from Inflammation to Resolution of Sterile Liver Injury. *Immunity*, 47(4), 752.

Glodde N, et al. (2017) Reactive Neutrophil Responses Dependent on the Receptor Tyrosine Kinase c-MET Limit Cancer Immunotherapy. *Immunity*, 47(4), 789.

Hwang HW, et al. (2017) cTag-PAPERCLIP Reveals Alternative Polyadenylation Promotes Cell-Type Specific Protein Diversity and Shifts Araf Isoforms with Microglia Activation. *Neuron*, 95(6), 1334.