

Resource Summary Report

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CD45.1

RRID:AB_395044

Type: Antibody

Proper Citation

(BD Biosciences Cat# 553776, RRID:AB_395044)

Antibody Information

URL: http://antibodyregistry.org/AB_395044

Proper Citation: (BD Biosciences Cat# 553776, RRID:AB_395044)

Target Antigen: CD45.1

Host Organism: mouse

Clonality: monoclonal

Comments: Applications: Flow cytometry

Antibody Name: CD45.1

Description: This monoclonal targets CD45.1

Target Organism: mouse

Antibody ID: AB_395044

Vendor: BD Biosciences

Catalog Number: 553776

Record Creation Time: 20241016T233026+0000

Record Last Update: 20241017T004813+0000

Ratings and Alerts

No rating or validation information has been found for CD45.1.

No alerts have been found for CD45.1.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 26 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Swaminathan S, et al. (2024) LAG-3- and CXCR5-expressing CD4 T cells display progenitor-like properties during chronic visceral leishmaniasis. *Cell reports*, 43(3), 113879.

Watanuki S, et al. (2024) SDHAF1 confers metabolic resilience to aging hematopoietic stem cells by promoting mitochondrial ATP production. *Cell stem cell*, 31(8), 1145.

Watanuki S, et al. (2024) Context-dependent modification of PFKFB3 in hematopoietic stem cells promotes anaerobic glycolysis and ensures stress hematopoiesis. *eLife*, 12.

Arandjelovic P, et al. (2023) Venetoclax, alone and in combination with the BH3 mimetic S63845, depletes HIV-1 latently infected cells and delays rebound in humanized mice. *Cell reports. Medicine*, 4(9), 101178.

Meibers HE, et al. (2023) Effector memory T cells induce innate inflammation by triggering DNA damage and a non-canonical STING pathway in dendritic cells. *Cell reports*, 42(10), 113180.

Russ BE, et al. (2023) Active maintenance of CD8+ T cell naivety through regulation of global genome architecture. *Cell reports*, 42(10), 113301.

Russ BE, et al. (2023) Active maintenance of CD8 + T cell naïvety through regulation of global genome architecture. *bioRxiv : the preprint server for biology*.

Shiroshita K, et al. (2023) Evaluating the function of murine quiescent hematopoietic stem cells following non-homologous end joining-based genome editing. *STAR protocols*, 4(2), 102347.

Guilliams M, et al. (2022) Spatial proteogenomics reveals distinct and evolutionarily conserved hepatic macrophage niches. *Cell*, 185(2), 379.

Wiede F, et al. (2022) PTP1B Is an Intracellular Checkpoint that Limits T-cell and CAR T-cell Antitumor Immunity. *Cancer discovery*, 12(3), 752.

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

Christian DA, et al. (2022) cDC1 coordinate innate and adaptive responses in the omentum required for T cell priming and memory. *Science immunology*, 7(75), eabq7432.

Eisele AS, et al. (2022) Erythropoietin directly remodels the clonal composition of murine hematopoietic multipotent progenitor cells. *eLife*, 11.

Shiroshita K, et al. (2022) A culture platform to study quiescent hematopoietic stem cells following genome editing. *Cell reports methods*, 2(12), 100354.

Li J, et al. (2021) KDM6B-dependent chromatin remodeling underpins effective virus-specific CD8+ T cell differentiation. *Cell reports*, 34(11), 108839.

Hinge A, et al. (2020) Asymmetrically Segregated Mitochondria Provide Cellular Memory of Hematopoietic Stem Cell Replicative History and Drive HSC Attrition. *Cell stem cell*, 26(3), 420.

Fallet B, et al. (2020) Chronic Viral Infection Promotes Efficient Germinal Center B Cell Responses. *Cell reports*, 30(4), 1013.

Arai F, et al. (2020) Machine Learning of Hematopoietic Stem Cell Divisions from Paired Daughter Cell Expression Profiles Reveals Effects of Aging on Self-Renewal. *Cell systems*, 11(6), 640.

Remmerie A, et al. (2020) Osteopontin Expression Identifies a Subset of Recruited Macrophages Distinct from Kupffer Cells in the Fatty Liver. *Immunity*, 53(3), 641.

Kobayashi H, et al. (2019) Environmental Optimization Enables Maintenance of Quiescent Hematopoietic Stem Cells Ex Vivo. *Cell reports*, 28(1), 145.