

Resource Summary Report

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CD45

RRID:AB_394610

Type: Antibody

Proper Citation

(BD Biosciences Cat# 553080, RRID:AB_394610)

Antibody Information

URL: http://antibodyregistry.org/AB_394610

Proper Citation: (BD Biosciences Cat# 553080, RRID:AB_394610)

Target Antigen: CD45

Host Organism: rat

Clonality: monoclonal

Comments: Flow cytometry

Antibody Name: CD45

Description: This monoclonal targets CD45

Target Organism: mouse

Antibody ID: AB_394610

Vendor: BD Biosciences

Catalog Number: 553080

Record Creation Time: 20241016T221115+0000

Record Last Update: 20241016T222126+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 32 mentions in open access literature.

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

Bejarano L, et al. (2024) Interrogation of endothelial and mural cells in brain metastasis reveals key immune-regulatory mechanisms. *Cancer cell*, 42(3), 378.

Mistretta M, et al. (2024) Flvcr1a deficiency promotes heme-based energy metabolism dysfunction in skeletal muscle. *Cell reports*, 43(3), 113854.

Viengkhou B, et al. (2024) The brain microvasculature is a primary mediator of interferon- γ neurotoxicity in human cerebral interferonopathies. *Immunity*, 57(7), 1696.

Ndjim M, et al. (2024) Tuft cell acetylcholine is released into the gut lumen to promote anti-helminth immunity. *Immunity*, 57(6), 1260.

Monticelli S, et al. (2024) Early-wave macrophages control late hematopoiesis. *Developmental cell*, 59(10), 1284.

Zeng W, et al. (2023) Restoration of CPEB4 prevents muscle stem cell senescence during aging. *Developmental cell*, 58(15), 1383.

Arbaizar-Roviroso M, et al. (2023) Transcriptomics and translomics identify a robust inflammatory gene signature in brain endothelial cells after ischemic stroke. *Journal of neuroinflammation*, 20(1), 207.

Andreata F, et al. (2023) CD31 signaling promotes the detachment at the uropod of extravasating neutrophils allowing their migration to sites of inflammation. *eLife*, 12.

McCubbrey AL, et al. (2022) Polyamine import and accumulation causes immunomodulation in macrophages engulfing apoptotic cells. *Cell reports*, 38(2), 110222.

Zeidler JD, et al. (2022) Endogenous metabolism in endothelial and immune cells generates most of the tissue vitamin B3 (nicotinamide). *iScience*, 25(11), 105431.

Tilsed CM, et al. (2022) CD4⁺ T cells drive an inflammatory, TNF- α /IFN-rich tumor microenvironment responsive to chemotherapy. *Cell reports*, 41(13), 111874.

Pennitz P, et al. (2022) Protocol to dissociate healthy and infected murine- and hamster-derived lung tissue for single-cell transcriptome analysis. *STAR protocols*, 4(1), 101957.

Wang J, et al. (2022) Selective YAP activation in Procr cells is essential for ovarian stem/progenitor expansion and epithelium repair. *eLife*, 11.

Busnelli M, et al. (2022) Lack of ApoA-I in ApoEKO Mice Causes Skin Xanthomas, Worsening of Inflammation, and Increased Coronary Atherosclerosis in the Absence of Hyperlipidemia. *Arteriosclerosis, thrombosis, and vascular biology*, 42(7), 839.

Wang J, et al. (2022) Isolation of mouse pancreatic islet Procr⁺ progenitors and long-term expansion of islet organoids in vitro. *Nature protocols*, 17(5), 1359.

Zhang M, et al. (2022) CDK14 inhibition reduces mammary stem cell activity and suppresses triple negative breast cancer progression. *Cell reports*, 40(11), 111331.

Lauver MD, et al. (2022) T cell deficiency precipitates antibody evasion and emergence of neurovirulent polyomavirus. *eLife*, 11.

Wang J, et al. (2021) Endothelial Wnts control mammary epithelial patterning via fibroblast signaling. *Cell reports*, 34(13), 108897.

Salik B, et al. (2020) Targeting RSPO3-LGR4 Signaling for Leukemia Stem Cell Eradication in Acute Myeloid Leukemia. *Cancer cell*, 38(2), 263.

Kobayashi H, et al. (2020) Protocol for the Maintenance of Quiescent Murine Hematopoietic Stem Cells. *STAR protocols*, 1(2), 100078.