

Resource Summary Report

Generated by [RRID](#) on Sep 7, 2026

CD34

RRID:AB_395017

Type: Antibody

Proper Citation

BD Biosciences Cat# 553733, RRID:AB_395017

Antibody Information

URL: http://antibodyregistry.org/AB_395017

Proper Citation: BD Biosciences Cat# 553733, RRID:AB_395017

Target Antigen: CD34

Host Organism: rat

Clonality: monoclonal

Comments: Flow cytometry

Antibody Name: CD34

Description: This monoclonal targets CD34

Target Organism: mouse

Antibody ID: AB_395017

Vendor: BD Biosciences

Catalog Number: 553733

Record Creation Time: 20231110T081054+0000

Record Last Update: 20260829T122037+0000

Ratings and Alerts

No rating or validation information has been found for CD34.

No alerts have been found for CD34.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 27 mentions in open access literature.

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

Moreno SG, et al. (2026) Heritable ER stress impairs mitochondrial metabolism and maintenance of hematopoietic stem cells after low-dose irradiation. *iScience*, 29(2), 114738.

Mayerhofer C, et al. (2025) OGFOD1 enables AML chemo- and nutrient stress resistance by regulating protein synthesis. *Cell metabolism*.

Mitsuhashi A, et al. (2023) Identification of fibrocyte cluster in tumors reveals the role in antitumor immunity by PD-L1 blockade. *Cell reports*, 42(3), 112162.

Vallecillo-García P, et al. (2023) A local subset of mesenchymal cells expressing the transcription factor *Osr1* orchestrates lymph node initiation. *Immunity*, 56(6), 1204.

Bénard A, et al. (2023) IL-3 orchestrates ulcerative colitis pathogenesis by controlling the development and the recruitment of splenic reservoir neutrophils. *Cell reports*, 42(6), 112637.

Konturek-Ciesla A, et al. (2023) Temporal multimodal single-cell profiling of native hematopoiesis illuminates altered differentiation trajectories with age. *Cell reports*, 42(4), 112304.

Emoto T, et al. (2022) Colony stimulating factor-1 producing endothelial cells and mesenchymal stromal cells maintain monocytes within a perivascular bone marrow niche. *Immunity*, 55(5), 862.

Mauduit O, et al. (2022) A mesenchymal to epithelial switch in *Fgf10* expression specifies an evolutionary-conserved population of ionocytes in salivary glands. *Cell reports*, 39(2), 110663.

Schönberger K, et al. (2022) Multilayer omics analysis reveals a non-classical retinoic acid signaling axis that regulates hematopoietic stem cell identity. *Cell stem cell*, 29(1), 131.

Smith AM, et al. (2022) Somatic *Dnmt3a* inactivation leads to slow, canonical DNA methylation loss in murine hematopoietic cells. *iScience*, 25(4), 104004.

Heyde A, et al. (2021) Increased stem cell proliferation in atherosclerosis accelerates clonal hematopoiesis. *Cell*, 184(5), 1348.

Rosu A, et al. (2021) Loss of tRNA-modifying enzyme *Elp3* activates a p53-dependent antitumor checkpoint in hematopoiesis. *The Journal of experimental medicine*, 218(3).

Kumar Mishra S, et al. (2021) Neuroprotective response and efficacy of intravenous administration of mesenchymal stem cells in traumatic brain injury mice. *The European journal of neuroscience*.

Wang H, et al. (2021) Muscle regeneration controlled by a designated DNA dioxygenase. *Cell death & disease*, 12(6), 535.

Young K, et al. (2021) Decline in IGF1 in the bone marrow microenvironment initiates hematopoietic stem cell aging. *Cell stem cell*, 28(8), 1473.

de Laval B, et al. (2020) C/EBP β -Dependent Epigenetic Memory Induces Trained Immunity in Hematopoietic Stem Cells. *Cell stem cell*, 26(5), 657.

Runyan CE, et al. (2020) Impaired phagocytic function in CX3CR1⁺ tissue-resident skeletal muscle macrophages prevents muscle recovery after influenza A virus-induced pneumonia in old mice. *Aging cell*, 19(9), e13180.

Nacson J, et al. (2020) BRCA1 Mutational Complementation Induces Synthetic Viability. *Molecular cell*, 78(5), 951.

Luo H, et al. (2019) HOTTIP lncRNA Promotes Hematopoietic Stem Cell Self-Renewal Leading to AML-like Disease in Mice. *Cancer cell*, 36(6), 645.

Shikatani EA, et al. (2019) c-Myb Exacerbates Atherosclerosis through Regulation of Protective IgM-Producing Antibody-Secreting Cells. *Cell reports*, 27(8), 2304.