

Resource Summary Report

Generated by SPARC SAWG on Sep 4, 2026

CD11b

RRID:AB_398535

Type: Antibody

Proper Citation

BD Biosciences Cat# 553312, RRID:AB_398535

Antibody Information

URL: http://antibodyregistry.org/AB_398535

Proper Citation: BD Biosciences Cat# 553312, RRID:AB_398535

Target Antigen: CD11b

Host Organism: rat

Clonality: monoclonal

Comments: Flow cytometry

Antibody Name: CD11b

Description: This monoclonal targets CD11b

Target Organism: mouse

Antibody ID: AB_398535

Vendor: BD Biosciences

Catalog Number: 553312

Record Creation Time: 20231110T080841+0000

Record Last Update: 20260830T015917+0000

Ratings and Alerts

No rating or validation information has been found for CD11b.

No alerts have been found for CD11b.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 45 mentions in open access literature.

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

Wu L, et al. (2026) Controlled pyroptosis of engineered macrophages enables biphasic antitumor via the release of oncolytic bacteria and inflammatory signals. *Cell reports*, 45(2), 116918.

Feng JX, et al. (2026) Single-cell lineage tracing identifies hemogenic endothelial cells in the adult mouse bone marrow. *eLife*, 15.

Ta N, et al. (2026) Targeting p21-High Senescent Kupffer Cells Nanotherapeutically Potentiates Antitumor Immunity in Advanced Hepatocellular Carcinoma with Portal Vein Tumor Thrombus. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), e76384.

Tian M, et al. (2025) Deconstructing the intercellular interactome in vascular dementia with focal ischemia for therapeutic applications. *Cell*.

Yu ZY, et al. (2025) Roles of blood monocytes carrying TREM2R47H mutation in pathogenesis of Alzheimer's disease and its therapeutic potential in APP/PS1 mice. *Alzheimer's & dementia : the journal of the Alzheimer's Association*, 21(2), e14402.

Zhang Y, et al. (2025) LAMP2A-mediated neuronal hyperexcitability by enhancing NKA β 1 degradation underlies depression-induced allodynia. *Cell reports*, 44(4), 115489.

Chowdhury IH, et al. (2025) PARP1-NFATc1-PD1 pathway of maturation and stability of CD8+T cells is beneficial against chronic *Trypanosoma cruzi* infection. *iScience*, 28(7), 112926.

Fazendeiro B, et al. (2025) NDR2 Kinase Regulates Microglial Metabolic Adaptation and Inflammatory Response: Critical Role in Glucose-Dependent Functional Plasticity. *International journal of molecular sciences*, 26(21).

Liu F, et al. (2025) TAF1 is required for fetal but not adult hematopoiesis in mice. *Developmental cell*.

Zhang N, et al. (2025) Urothelial collective-gliding response acts as a toll-like receptor 4-associated defense mechanism. *iScience*, 28(10), 113553.

Zhang D, et al. (2025) FLT3L-based drug conjugate effectively targets chemoresistant leukemia stem cells in acute myeloid leukemia. *Cell reports. Medicine*, 102365.

Liu L, et al. (2024) Oncolytic bacteria VNP20009 expressing IFN γ inhibits melanoma progression by remodeling the tumor microenvironment. *iScience*, 27(4), 109372.

Pitter MR, et al. (2024) PAD4 controls tumor immunity via restraining the MHC class II machinery in macrophages. *Cell reports*, 43(3), 113942.

Thomas SN, et al. (2023) Down syndrome is associated with altered frequency and functioning of tracheal multiciliated cells, and response to influenza virus infection. *iScience*, 26(8), 107361.

Han L, et al. (2023) METTL16 drives leukemogenesis and leukemia stem cell self-renewal by reprogramming BCAA metabolism. *Cell stem cell*, 30(1), 52.

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.

Chong DLW, et al. (2023) Investigating the role of platelets and platelet-derived transforming growth factor- β in idiopathic pulmonary fibrosis. *American journal of physiology. Lung cellular and molecular physiology*, 325(4), L487.

Berton S, et al. (2022) A selective PPM1A inhibitor activates autophagy to restrict the survival of *Mycobacterium tuberculosis*. *Cell chemical biology*, 29(7), 1126.

Meng J, et al. (2022) Tumor-derived Jagged1 promotes cancer progression through immune evasion. *Cell reports*, 38(10), 110492.

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