

Resource Summary Report

Generated by SPARC SAWG on Aug 10, 2026

Rat Anti-CD31 Monoclonal Antibody, Phycoerythrin Conjugated, Clone MEC 13.3

RRID:AB_394819

Type: Antibody

Proper Citation

BD Biosciences Cat# 553373, RRID:AB_394819

Antibody Information

URL: http://antibodyregistry.org/AB_394819

Proper Citation: BD Biosciences Cat# 553373, RRID:AB_394819

Target Antigen: CD31

Host Organism: rat

Clonality: monoclonal

Comments: Flow cytometry

Antibody Name: Rat Anti-CD31 Monoclonal Antibody, Phycoerythrin Conjugated, Clone MEC 13.3

Description: This monoclonal targets CD31

Target Organism: mouse

Clone ID: MEC 13.3

Antibody ID: AB_394819

Vendor: BD Biosciences

Catalog Number: 553373

Record Creation Time: 20250820T062307+0000

Record Last Update: 20250820T235815+0000

Ratings and Alerts

No rating or validation information has been found for Rat Anti-CD31 Monoclonal Antibody, Phycoerythrin Conjugated, Clone MEC 13.3.

No alerts have been found for Rat Anti-CD31 Monoclonal Antibody, Phycoerythrin Conjugated, Clone MEC 13.3.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 40 mentions in open access literature.

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

Dziadowiec A, et al. (2026) Low-density neutrophils preferentially infiltrate the skin compared to conventional neutrophils in an experimental psoriasis model. Journal of immunology (Baltimore, Md. : 1950), 215(3).

Zhu Z, et al. (2026) A neurovascular survival axis for adult sympathetic neurons. Neuron.

Yue F, et al. (2025) Mitochondrial fatty acid oxidation regulates adult muscle stem cell function through modulating metabolic flux and protein acetylation. The EMBO journal, 44(9), 2566.

Wei Y, et al. (2025) Sympathetic functional units encoded by genetically defined postganglionic neurons. Neuron.

Bresesti C, et al. (2025) Reprogramming liver metastasis-associated macrophages toward an anti-tumoral phenotype through enforced miR-342 expression. Cell reports, 44(5), 115592.

Zhang T, et al. (2024) Phosphorylation of Piezo1 at a single residue, serine-1612, regulates its mechanosensitivity and in vivo mechanotransduction function. Neuron, 112(21), 3618.

Blackburn DM, et al. (2024) The E3 ubiquitin ligase Nedd4L preserves skeletal muscle stem cell quiescence by inhibiting their activation. iScience, 27(7), 110241.

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.

Kim KH, et al. (2023) PRMT5 mediates FoxO1 methylation and subcellular localization to regulate lipophagy in myogenic progenitors. Cell reports, 42(11), 113329.

Ikenaka A, et al. (2023) SMN promotes mitochondrial metabolic maturation during myogenesis by regulating the MYOD-miRNA axis. Life science alliance, 6(3).

Wu Y, et al. (2023) MicroRNA-223 limits murine hemogenic endothelial cell specification and myelopoiesis. *Developmental cell*, 58(14), 1237.

Wang X, et al. (2023) Diverse effector and regulatory functions of fibro/adipogenic progenitors during skeletal muscle fibrosis in muscular dystrophy. *iScience*, 26(1), 105775.

Oprescu SN, et al. (2023) Sox11 is enriched in myogenic progenitors but dispensable for development and regeneration of the skeletal muscle. *Skeletal muscle*, 13(1), 15.

Brown N, et al. (2023) Spi1 R235C point mutation confers hypersensitivity to radiation-induced acute myeloid leukemia in mice. *iScience*, 26(9), 107530.

Tichet M, et al. (2023) Bispecific PD1-IL2v and anti-PD-L1 break tumor immunity resistance by enhancing stem-like tumor-reactive CD8+ T cells and reprogramming macrophages. *Immunity*, 56(1), 162.

Chryplewicz A, et al. (2022) Cancer cell autophagy, reprogrammed macrophages, and remodeled vasculature in glioblastoma triggers tumor immunity. *Cancer cell*, 40(10), 1111.

Klaus A, et al. (2022) CLASP2 safeguards hematopoietic stem cell properties during mouse and fish development. *Cell reports*, 39(11), 110957.

Yue F, et al. (2022) Lipid droplet dynamics regulate adult muscle stem cell fate. *Cell reports*, 38(3), 110267.

Chen J, et al. (2022) Labeling and analyzing lipid droplets in mouse muscle stem cells. *STAR protocols*, 3(4), 101849.

Duan L, et al. (2021) Follicular dendritic cells restrict interleukin-4 availability in germinal centers and foster memory B cell generation. *Immunity*, 54(10), 2256.