

Resource Summary Report

Generated by [NIF](#) on Sep 21, 2026

Rat monoclonal anti-mouse endothelial cell marker CD31 (PECAM-1)

RRID:AB_2631039

Type: Antibody

Proper Citation

Dianova Cat# DIA-310, RRID:AB_2631039

Antibody Information

URL: http://antibodyregistry.org/AB_2631039

Proper Citation: Dianova Cat# DIA-310, RRID:AB_2631039

Target Antigen: CD31

Host Organism: rat

Clonality: monoclonal

Comments: Info: Used by Czech Centre for Phenogenomics

Antibody Name: Rat monoclonal anti-mouse endothelial cell marker CD31 (PECAM-1)

Description: This monoclonal targets CD31

Target Organism: pig, mouse

Clone ID: SZ31

Antibody ID: AB_2631039

Vendor: Dianova

Catalog Number: DIA-310

Alternative Catalog Numbers: DIA-310-M

Record Creation Time: 20231110T034735+0000

Record Last Update: 20260829T141149+0000

Ratings and Alerts

- Used by Czech Centre for Phenogenomics - Czech Centre for Phenogenomics
<https://www.phenogenomics.cz/>

No alerts have been found for Rat monoclonal anti-mouse endothelial cell marker CD31 (PECAM-1).

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 [NIF](#) .

Zhou S, et al. (2026) Vascular normalization by erianin unleashes CAR-T immunotherapy in glioblastoma. *Angiogenesis*, 29(2), 18.

Xie J, et al. (2026) Escherichia coli Nissle 1917 alleviates Alzheimer's disease in mice through OmpA-containing outer membrane vesicles. *Cell reports. Medicine*, 7(5), 102781.

Manzhula K, et al. (2026) Astrocytic Accumulation at the Choroid Plexus Attachment Region. *Cellular and molecular neurobiology*, 46(1).

Wen H, et al. (2025) A spatiotemporal cell atlas of cardiopulmonary progenitor cell allocation during development. *Cell reports*, 44(4), 115513.

Hoffmann J, et al. (2025) Steatohepatitis-induced vascular niche alterations promote melanoma metastasis. *Cancer & metabolism*, 13(1), 5.

Torii S, et al. (2025) Embryological cellular origins and hypoxia-mediated mechanisms in PIK3CA-driven refractory vascular malformations. *EMBO molecular medicine*, 17(6), 1289.

Ikeda Y, et al. (2025) A tumor-microvessel on-a-chip reveals a mechanism for cancer cell cluster intravasation. *iScience*, 28(6), 112517.

Odeh A, et al. (2025) Anti-fibrotic, muscle-promoting antibody-drug conjugates for the improvement and treatment of DMD. *iScience*, 28(5), 112335.

Abu-Zaid A, et al. (2024) Histone lysine demethylase 4 family proteins maintain the transcriptional program and adrenergic cellular state of MYCN-amplified neuroblastoma. *Cell reports. Medicine*, 5(3), 101468.

Tosi G, et al. (2024) Cancer cell stiffening via CoQ10 and UBIAD1 regulates ECM signaling and ferroptosis in breast cancer. *Nature communications*, 15(1), 8214.

Munro DAD, et al. (2024) Microglia protect against age-associated brain pathologies. *Neuron*, 112(16), 2732.

Ring NAR, et al. (2023) The p-rpS6-zone delineates wounding responses and the healing process. *Developmental cell*, 58(11), 981.

Voges HK, et al. (2023) Vascular cells improve functionality of human cardiac organoids. *Cell reports*, 42(5), 112322.

Niwa Y, et al. (2023) Liposome-Encapsulated Eribulin Shows Enhanced Antitumor Activity over Eribulin for Combination Therapy with Anti-PD-1 Antibody. *Molecular cancer therapeutics*, 22(4), 499.

Rossmueller G, et al. (2023) Preclinical Evaluation of ON203, A Novel Bioengineered mAb Targeting Oxidized Macrophage Migration Inhibitory Factor as an Anticancer Therapeutic. *Molecular cancer therapeutics*, 22(5), 555.

Asano H, et al. (2023) Deuterium Magnetic Resonance Imaging Using Deuterated Water-Induced ²H-Tissue Labeling Allows Monitoring Cancer Treatment at Clinical Field Strength. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 29(24), 5173.

Shoji KF, et al. (2023) The mechanosensitive TRPV2 calcium channel promotes human melanoma invasiveness and metastatic potential. *EMBO reports*, 24(4), e55069.

Martinez-Ordoñez A, et al. (2023) Hyaluronan driven by epithelial aPKC deficiency remodels the microenvironment and creates a vulnerability in mesenchymal colorectal cancer. *Cancer cell*, 41(2), 252.

Du J, et al. (2022) A small-molecule cocktail promotes mammalian cardiomyocyte proliferation and heart regeneration. *Cell stem cell*, 29(4), 545.

Düking T, et al. (2022) Ketogenic diet uncovers differential metabolic plasticity of brain cells. *Science advances*, 8(37), eabo7639.