Resource Summary Report

Generated by FDI Lab - SciCrunch.org on May 25, 2025

CD 31 Platelet Endothelial Cell Adhesion Molecule (PECAM)

RRID:AB_394816
Type: Antibody

Proper Citation

(BD Biosciences Cat# 553370, RRID:AB_394816)

Antibody Information

URL: http://antibodyregistry.org/AB_394816

Proper Citation: (BD Biosciences Cat# 553370, RRID:AB_394816)

Target Antigen: 129/Sv mouse-derived endothelioma cell line tEnd.1

Host Organism: rat

Clonality: monoclonal

Comments: Western blot
Info: Independent validation by the NYU Lagone was performed for: IHC. This antibody was found to have the following characteristics: Functional in human:FALSE, NonFunctional in human:FALSE, Functional in animal:FALSE, NonFunctional in animal:FALSE

Antibody Name: CD 31 Platelet Endothelial Cell Adhesion Molecule (PECAM)

Description: This monoclonal targets 129/Sv mouse-derived endothelioma cell line tEnd.1

Clone ID: [MEC13.3]

Antibody ID: AB_394816

Vendor: BD Biosciences

Catalog Number: 553370

Record Creation Time: 20231110T044631+0000

Record Last Update: 20241115T050842+0000

Ratings and Alerts

- Independent validation by the NYU Lagone was performed for: IHC. This antibody was found to have the following characteristics: Functional in human:FALSE, NonFunctional in human:FALSE, Functional in animal:FALSE, NonFunctional in animal:FALSE - NYU Langone's Center for Biospecimen Research and Development https://med.nyu.edu/research/scientific-cores-shared-resources/center-biospecimen-research-development

No alerts have been found for CD 31 Platelet Endothelial Cell Adhesion Molecule (PECAM).

Data and Source Information

Source: Antibody Registry

Usage and Citation Metrics

We found 108 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Benguigui M, et al. (2024) Interferon-stimulated neutrophils as a predictor of immunotherapy response. Cancer cell, 42(2), 253.

Chadarevian JP, et al. (2024) Therapeutic potential of human microglia transplantation in a chimeric model of CSF1R-related leukoencephalopathy. Neuron, 112(16), 2686.

Erickson AG, et al. (2024) Motor innervation directs the correct development of the mouse sympathetic nervous system. Nature communications, 15(1), 7065.

Kang M, et al. (2024) Oligodendrocyte-derived laminin-?1 regulates the blood-brain barrier and CNS myelination in mice. Cell reports, 43(5), 114123.

Ren SY, et al. (2024) Growth hormone promotes myelin repair after chronic hypoxia via triggering pericyte-dependent angiogenesis. Neuron, 112(13), 2177.

Biswas S, et al. (2024) Glutamatergic neuronal activity regulates angiogenesis and blood-retinal barrier maturation via Norrin/?-catenin signaling. Neuron, 112(12), 1978.

Wu M, et al. (2024) Innervation of nociceptor neurons in the spleen promotes germinal center responses and humoral immunity. Cell, 187(12), 2935.

Kim N, et al. (2024) Repulsive Sema3E-Plexin-D1 signaling coordinates both axonal extension and steering via activating an autoregulatory factor, Mtss1. eLife, 13.

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

Ishibashi K, et al. (2024) Astrocyte-induced mGluR1 activates human lung cancer brain metastasis via glutamate-dependent stabilization of EGFR. Developmental cell, 59(5), 579.

Edelmann M, et al. (2024) Tumor Vessel Normalization via PFKFB3 Inhibition Alleviates Hypoxia and Increases Tumor Necrosis in Rectal Cancer upon Radiotherapy. Cancer research communications, 4(8), 2008.

Saito J, et al. (2024) Presenilin-1 in smooth muscle cells facilitates hypermuscularization in elastin aortopathy. iScience, 27(1), 108636.

Vázquez-Liébanas E, et al. (2024) Mosaic deletion of claudin-5 reveals rapid non-cell-autonomous consequences of blood-brain barrier leakage. Cell reports, 43(3), 113911.

Pietilä R, et al. (2023) Molecular anatomy of adult mouse leptomeninges. Neuron, 111(23), 3745.

Tsitsou-Kampeli A, et al. (2023) Cholesterol 24-hydroxylase at the choroid plexus contributes to brain immune homeostasis. Cell reports. Medicine, 4(11), 101278.

Tonami K, et al. (2023) Coordinated linear and rotational movements of endothelial cells compartmentalized by VE-cadherin drive angiogenic sprouting. iScience, 26(7), 107051.

Delcroix V, et al. (2023) The First Transcriptomic Atlas of the Adult Lacrimal Gland Reveals Epithelial Complexity and Identifies Novel Progenitor Cells in Mice. Cells, 12(10).

Burganova G, et al. (2023) Pericytes modulate islet immune cells and insulin secretion through Interleukin-33 production in mice. Frontiers in endocrinology, 14, 1142988.

Delcroix V, et al. (2023) Lacrimal Gland Epithelial Cells Shape Immune Responses through the Modulation of Inflammasomes and Lipid Metabolism. International journal of molecular sciences, 24(5).

Whiley PAF, et al. (2023) Spermatogonial fate in mice with increased activin A bioactivity and testicular somatic cell tumours. Frontiers in cell and developmental biology, 11, 1237273.