

Resource Summary Report

Generated by [NIF](#) on Sep 8, 2026

Ms CD144 Pure 11D4.1 500ug

RRID:AB_395707

Type: Antibody

Proper Citation

BD Biosciences Cat# 555289, RRID:AB_395707

Antibody Information

URL: http://antibodyregistry.org/AB_395707

Proper Citation: BD Biosciences Cat# 555289, RRID:AB_395707

Target Antigen: CD144 (VE-Cadherin)

Host Organism: Rat

Clonality: monoclonal

Comments: Applications: Flow - Surface

Antibody Name: Ms CD144 Pure 11D4.1 500ug

Description: This monoclonal targets CD144 (VE-Cadherin)

Target Organism: Mouse

Clone ID: clone 11D4.1

Antibody ID: AB_395707

Vendor: BD Biosciences

Catalog Number: 555289

Record Creation Time: 20231110T081140+0000

Record Last Update: 20260829T201324+0000

Ratings and Alerts

No rating or validation information has been found for Ms CD144 Pure 11D4.1 500ug.

No alerts have been found for Ms CD144 Pure 11D4.1 500ug.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 30 mentions in open access literature.

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

Pakarinen E, et al. (2026) High-fat diet feeding induces organ-specific vascular remodeling with distinct temporal dynamics in male mice. *Communications biology*, 9(1).

Drekolia MK, et al. (2026) Cystine import and oxidative catabolism fuel vascular growth and repair via nutrient-responsive histone acetylation. *Cell metabolism*, 38(1), 115.

Zhao W, et al. (2026) NAD-dependent redox control enables endothelial quiescence and vascular stabilization during angiogenesis. *Cell metabolism*, 38(7), 1478.

Chaudhry H, et al. (2025) Phosphatidylinositol-4,5-bisphosphate 3-kinase (PI3K) inhibitors reduce vascular inflammation in vitro and in vivo. *British journal of pharmacology*.

Emanuelli A, et al. (2025) Targeting the IL34-CSF1R axis improves metastatic renal cell carcinoma therapy outcome via immune-vascular crosstalk regulation. *iScience*, 28(6), 112752.

Li X, et al. (2025) Sodium glucose co-transporter 2 inhibitor empagliflozin prevents endothelial dysfunction induced by oscillatory shear stress. *Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie*, 192, 118670.

Lee Q, et al. (2025) Deficiency in N-cadherin-Akt3 signaling impairs the blood-brain barrier. *Cell reports*, 44(6), 115831.

Laban H, et al. (2024) Nuclear factor of activated T-cells 5 is indispensable for a balanced adaptive transcriptional response of lung endothelial cells to hypoxia. *Cardiovascular research*, 120(13), 1590.

Sidibé A, et al. (2024) Acetyl-NPKY of integrin- α 1 binds KINDLIN2 to control endothelial cell proliferation and junctional integrity. *iScience*, 27(6), 110129.

Ye Q, et al. (2024) Astrocytic Slc4a4 regulates blood-brain barrier integrity in healthy and stroke brains via a CCL2-CCR2 pathway and NO dysregulation. *Cell reports*, 43(5), 114193.

Herrera JL, et al. (2024) Akt3 activation by R-Ras in an endothelial cell enforces quiescence and barrier stability of neighboring endothelial cells via Jagged1. *Cell reports*, 43(3), 113837.

Huang L, et al. (2023) Nitric oxide synthase and reduced arterial tone contribute to arteriovenous malformation. *Science advances*, 9(21), eade7280.

Gatsiou A, et al. (2023) The RNA editor ADAR2 promotes immune cell trafficking by enhancing endothelial responses to interleukin-6 during sterile inflammation. *Immunity*, 56(5), 979.

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

Lee Q, et al. (2023) End binding-3 inhibitor activates regenerative program in age-related macular degeneration. *Cell reports. Medicine*, 4(10), 101223.

Zhang L, et al. (2023) A Frizzled4-LRP5 agonist promotes blood-retina barrier function by inducing a Norrin-like transcriptional response. *iScience*, 26(8), 107415.

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

Lugano R, et al. (2023) CD93 maintains endothelial barrier function by limiting the phosphorylation and turnover of VE-cadherin. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 37(4), e22894.

Rudnicki M, et al. (2023) Transcriptomic profiling reveals sex-specific molecular signatures of adipose endothelial cells under obesogenic conditions. *iScience*, 26(1), 105811.

Sim SL, et al. (2022) Myeloid Wls expression is dispensable for skin wound healing and blood vessel regeneration. *Frontiers in endocrinology*, 13, 957833.