

Product Datasheet

VE-Cadherin Antibody (BV9) - Azide Free NB600-1409

Unit Size: 0.05 mg

Store at 4C.

www.novusbio.com



technical@novusbio.com

Publications: 7

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NB600-1409

Updated 2/21/2025 v.20.1

Earn rewards for product
reviews and publications.

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/NB600-1409



NB600-1409

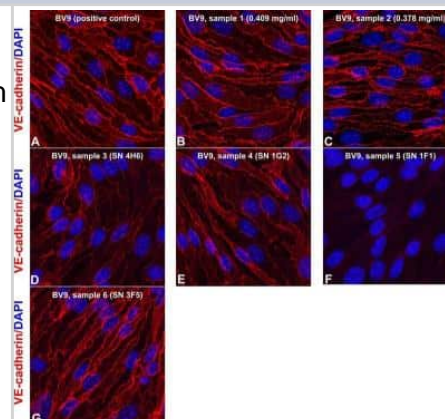
VE-Cadherin Antibody (BV9) - Azide Free

Product Information	
Unit Size	0.05 mg
Concentration	0.1 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	BV9
Preservative	No Preservative
Isotype	IgG2a
Purity	Protein G purified
Buffer	PBS with 0.1% BSA
Product Description	
Host	Mouse
Gene ID	1003
Gene Symbol	CDH5
Species	Human
Marker	Endothelial Cell Marker
Specificity/Sensitivity	This monoclonal antibody (subclass IgG2a) binds to human VE-cadherin. Human vascular endothelium cadherin is an endothelium-specific cadherin localized at the intercellular junctions.
Immunogen	The antibody recognizes the extracellular domain of the protein.
Product Application Details	
Applications	Western Blot, Flow Cytometry, Functional, Immunoassay, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation
Recommended Dilutions	Western Blot 1:10-1:100, Flow Cytometry 1:10-1:100, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Frozen 1:10-1:500, Functional 10-50 ug/ml, Immunoassay

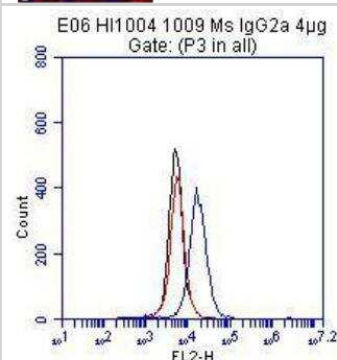


Images

Immunocytochemistry/Immunofluorescence: VE Cadherin Antibody (BV9) [NB600-1409] - Endothelial cells were fixed with 4% PAF (15 min, room temp), and then permeabilized with 0.5% TritonX-100 (3 min, room temperature). Cells were incubated with a final concentration of 10mg/ml BV9. Secondary detection was performed with anti-mouse Alexa-Fluor 647 and counterstained using DAPI.



Flow Cytometry: VE Cadherin Antibody (BV9) [NB600-1409] - HUVEC cells were stained with antibody BV9 in PBS/0.1% saponin for 1h at 4 degrees C. (Black- no stain, Red- isotype control, Blue-HM2032-BV9)



Publications

Depanwita Saha, Debarpan Mitra, Neyaz Alam, Sagar Sen, Saunak Mitra Mustafi, Pradip K Majumder, Biswanath Majumder, Nabendu Murmu Lupeol and Paclitaxel cooperate in hindering hypoxia induced vasculogenic mimicry via suppression of HIF-1 α -EphA2-Laminin-5 γ 2 network in human oral cancer. *Journal of cell communication and signaling* 2023-09-01 [PMID: 36063341]

Tryfonos A, Mills J, Green DJ et al. Association between atherogenic risk-modulating proteins and endothelium-dependent flow-mediated dilation in coronary artery disease patients *European Journal of Applied Physiology* 2023-02-01 [PMID: 36305972]

Wang H, Zhang X, Liu Y et al. Diosmetin-7-O- β -D-glucopyranoside suppresses endothelial-mesenchymal transformation through endoplasmic reticulum stress in cardiac fibrosis *Clinical and experimental pharmacology & physiology* 2023-07-10 [PMID: 37430476]

Mylvaganam S, Plumb J, Yusuf B et al. The spectrin cytoskeleton integrates endothelial mechanoresponses *Nature cell biology* 2022-07-11 [PMID: 35817960] (ICC/IF, Human)

Details:
ICC/IF Dilution: 4.5 μ g ml⁻¹, WB Dilution: 1:1000

Tryfonos A, Rasoul D, Sadler D et al. Elevated shear rate-induced by exercise increases eNOS ser1177 but not PECAM-1 Tyr713 phosphorylation in human conduit artery endothelial cells *European journal of sport science* 2022-02-23 [PMID: 35195045] (ICC/IF, Human)

Sarveswaran K, Kurz V, Dong Z et al. Synthetic Capillaries to Control Microscopic Blood Flow *Sci Rep* 2016-02-24 [PMID: 26905751] (ICC/IF, Human)

Evangelista K, Franco R, Schwab A. *Leptospira interrogans* Binds to Cadherins. *PLoS Negl Trop Dis* 2014-02-05 [PMID: 24498454] (WB, Human)



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NB600-1409

NBL1-09024	E-Cadherin Overexpression Lysate
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96778	Mouse IgG2a Isotype Control (M2A)

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NB600-1409

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

