

## Anti-VE-Cadherin CDH5 Antibody Picoband® PE Conjugated

Catalog Number: A02632-1-PE

### About CDH5

CDH5 (Cadherin 5), also known as VE-cadherin, is a type of cadherin. It is encoded by the human gene CDH5. This gene is mapped to 16q22.1 using somatic cell hybrid panels. Functioning as a classic cadherin by imparting to cells the ability to adhere in a homophilic manner, the protein may play an important role in endothelial cell biology through control of the cohesion and organization of the intercellular junctions. Therefore it was concluded that VE-cadherin serves the purpose of maintaining newly formed vessels.

### Overview

Product Name	Anti-VE-Cadherin CDH5 Antibody Picoband® PE Conjugated
Reactive Species	Human
Application	Recommended applications are based on the parent unconjugated antibody (ELISA, Flow Cytometry, IF, IHC, WB). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% Na <sub>3</sub> N.
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P33151

### Technical Details

Immunogen	E. coli-derived human VE Cadherin recombinant protein (Position: D48-R272).
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	PE Excitation Wavelength: 566 nm Emission Wavelength: 574 nm
Suggested Dilutions	Optimal dilutions should be determined by end users.

## 5 Publications Citing This Product

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1. PubMed ID: 10.1089/scd.2019.0198, The Regulatory Effect of VEGF-Ax on Rat Bone Marrow Mesenchymal Stem Cells Angioblastic Differentiation and Its Proangiogenic Ability
2. PubMed ID: 33505583, Chen H,Chen B,Li B,Luo X,Wu H,Zhang C,Liu J,Jiang J,Zhao B. Gastrodin Promotes the Survival of Random-Pattern Skin Flaps via Autophagy Flux Stimulation. Oxid Med Cell Longev. 2021 Jan 9;2021:6611668.doi:10.1155/2021/6611668.PMID:33505583;PMCID:PMC7811417.
3. PubMed ID: 33044023, Li J,Chen H,Lou J,Bao G,Wu C,Lou Z,Wang X,Ding J,Li Z,Xiao J,Xu H,Gao W,Zhou K.Exenatide improves random-pattern skin flap survival via TFE3 mediated autophagy augment.J Cell Physiol.2020 Oct 12.doi:10.1002/jcp.30102.Epub ahead of print.PMID:33044023.

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