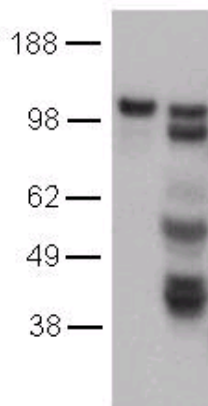


## Anti-Human CD144 (VE-Cadherin) Purified

Catalog Number: 14-1449

Also Known As: VECadherin, Cadherin 5, Cadherin5


RUO: For Research Use Only



EDTA-passaged (left) and Trypsin-passaged (right) Human Umbilical Vein Endothelial Cells (HUVEC) were resolved by SDS -PAGE and immunoblotted with 2 µg/mL of Anti-Human CD144 (VE-Cadherin) Purified and revealed with Anti-Rat IgG HRP.

### Product Information

Contents: Anti-Human CD144 (VE-Cadherin) Purified

 Catalog Number: 14-1449

Clone: 16B1

Concentration: 0.5 mg/ml

Host/Isotype: Mouse IgG1

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer



Temperature Limitation: Store at 2-8°C.



Batch Code: Refer to Vial



Use By: Refer to Vial



Caution, contains Azide

### Description

The 16B1 antibody reacts with human CD144, also known as VE-cadherin and cadherin-5. The cadherin family of receptors, which are calcium-dependent adhesion molecules, is known to be involved in homophilic cell interactions. VE-cadherin, which is 140 kDa, is localized at the intercellular boundaries of endothelial cells in blood and lymphatic vessels in several tissues. It is thought to play a role in vascular permeability and remodeling.

### Applications Reported

This 16B1 antibody has been reported for use in flow cytometric analysis, immunoblotting (WB), and immunocytochemistry.

### Applications Tested

This 16B1 antibody has been tested by immunoblotting Human Umbilical Vein Endothelial Cell (HUVEC) lysates.

### References

Rajesh D, Chinnasamy N, Mitalipov SM, Wolf DP, Slukvin I, Thomson JA, Shaaban AF. Differential requirements for hematopoietic commitment between human and rhesus embryonic stem cells. *Stem Cells*. 2007 Feb;25(2):490-9. (16B1, Immunocytofluorescence, PubMed)

Suzuki S, Sano K, and Tanihara H. 1991. Diversity of the cadherin family: evidence for eight new cadherins in nervous tissue. *Cell Regul* 2: 261-270.

Breviario F, Caveda L, Corada M, Martin-Padura I, Navarro P, Golay J, Introna M, Gulino D, Lampugnani MG, and Dejana E. 1995. Functional properties of human vascular endothelial cadherin (7B4/Cadherin-5), an endothelium-specific cadherin. *Arterioscler Thromb Vasc Biol* 15: 1229-1239.

Vincent PA, Xiao K, Buckley KM, and Kowalczyk AP. 2004. VE-Cadherin: adhesion at arm's length. *Am J Physiol Cell Physiol* 286: 987-997.

### Related Products

11-4011 Anti-Mouse IgG FITC

11-4317 Streptavidin FITC

12-4317 Streptavidin PE

13-4013 Anti-Mouse IgG Biotin (Polyclonal)  
14-4714 Mouse IgG1 K Isotype Control Purified  
17-4317 Streptavidin APC

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