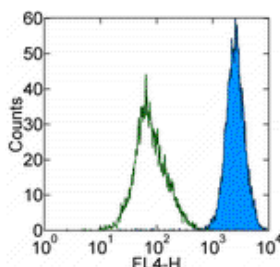


## Anti-Human CD144 (VE-Cadherin) APC

Catalog Number: 17-1449

Also Known As: VECadherin, Cadherin 5, Cadherin5

RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of Human Umbilical Vein Endothelial Cells (HUVEC) with Mouse IgG1 kappa Isotype Control APC (cat. 17-4714) (open histogram) or Anti-Human CD144 (VE-Cadherin) APC (filled histogram). Total viable cells were used for analysis.

### Product Information

**Contents:** Anti-Human CD144 (VE-Cadherin) APC


**REF** **Catalog Number:** 17-1449

**Clone:** 16B1


**Concentration:** 5 µL (0.25 µg)/test


**Host/Isotype:** Mouse IgG1

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

 **Temperature Limitation:** Store at 2-8°C. Do not freeze. Light sensitive material.

**LOT** **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.

### Applications Tested

This 16B1 antibody has been pre-titrated and tested by flow cytometric analysis of Human Umbilical Vein Endothelial Cells (HUVEC). This can be used at 5 µL (0.25 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells/test.

### References

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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.

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### Related Products

17-4714 Mouse IgG1 K Isotype Control APC (P3.6.2.1)

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