

Anti-VE-Cadherin CDH5-Monoclonal Antibody

Catalog Number: M02632-1

About CDH5

CD144 / VE-cadherin (cadherin 5) is the major cadherin that is present at endothelial junctions. It is also strictly endothelial specific. Under vascular permeability increasing conditions (and also in capillaries and veins) CD144 is being phosphorylated, which promotes its rapid and reversible internalization. On the contrary, binding of p120 catenin (delta1 catenin) maintains CD144 localization at the plasma membrane, which stabilizes the junction and reduces vascular permeability.

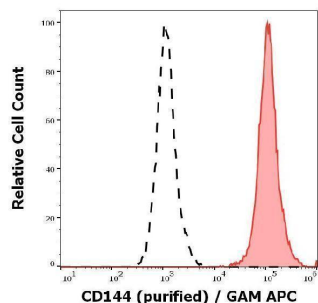
Overview

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|----------------------|---|
| Product Name | Anti-VE-Cadherin CDH5-Monoclonal Antibody |
| Reactive Species | Human |
| Description | Boster Bio Anti-VE-Cadherin CDH5-Monoclonal Antibody (Catalog# M02632-1). Tested in Flow Cytometry, IP, WB, IHC-F, ICC application(s). This antibody reacts with Human. |
| Application | Flow Cytometry, IP, IHC-F, ICC, WB |
| Clonality | Monoclonal 55-7H1 |
| Formulation | Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide |
| Storage Instructions | Store at 2-8°C. Do not freeze. |
| Host | Mouse |
| Uniprot ID | P33151 |

Technical Details

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| Immunogen | Human endothelial cells. The mouse monoclonal antibody 55-7H1 recognizes a calcium-independent extracellular epitope on CD144 (VE-cadherin, cadherin 5), an adhesion molecule expressed on endothelial cells. |
| Predicted Reactive Species | Primate |
| Cross Reactivity | This antibody does not cross-react with Thy-1.1 alloantigen. |
| Isotype | Mouse IgG1 kappa |
| Form | Liquid |
| Concentration | 1 mg/ml |
| Purification | Purified by protein-A affinity chromatography. |
| Suggested Dilutions | Flow cytometry: 1-4 ug/ml. |

Anti-VE-Cadherin CDH5-Monoclonal Antibody (M02632-1) Images



Separation of HUVEC cells stained using anti-CD144 (55-7H1) purified antibody (concentration in sample 5 µg/ml, GAM APC, red-filled) from HUVEC cells unstained by primary antibody (GAM APC, black-dashed) in flow cytometry analysis (surface staining).

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