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30-2478: Anti-Human CD144/ VE-cadherin Alexa Fluor® 488 Monoclonal Antibody (Clone:55-7H1)

Clonality :	Monoclonal
Clone Name :	55-7H1
Application :	ICC,FACS,WB
Reactivity :	Human
Gene :	CDH5
Gene ID :	1003
Uniprot ID :	P33151
Format :	Purified
Alternative Name :	Cadherin 5, CDH5, 7B4, VE-cadherin, Vascular endothelial cadherin
Isotype :	Mouse IgG1 kappa
Immunogen Information :	Human endothelial cells.

Description

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.

Product Info

Amount :	100 Tests
Purification :	The purified antibody is conjugated with Alexa FluorÂ® 488 under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Content :	Stabilizing phosphate buffered saline (PBS) solution containing 15mM sodium azide.
Storage condition :	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. Do not use after expiration date stamped on vial label.

Application Note

Recommended dilutions: Flow cytometry Analysis: The reagent is designed for analysis of human blood cells using 4 µl reagent / 100 µl of whole blood or 10^6 cells in a suspension. The content of a vial (0.4 ml) is sufficient for 100 tests. However, this need to be optimized based on the research applications.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.