

Anti-Human VE-Cadherin-155Gd

Catalog: 3155010A

Clone: D87F2

Package Size: 50 tests

Isotype: Rabbit IgG

Storage: Store product at 4°C. Do not freeze.

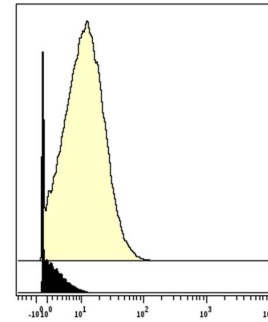
Formulation: Antibody stabilizer with 0.05% Sodium Azide

Reactivity: Human, Bovine, Porcine

Technical Information

Validation: Each lot of conjugated antibody is quality control tested by CyTOF® analysis of stained cells using the appropriate positive and negative cell staining and/or activation controls.

Recommended Usage: The suggested use is 1 µl for up to 3 X 10⁶ live cells in 100 µl. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.



Human MCF7 cells (top) and human Jurkat cells (bottom) were fixed, permeabilized and stained with 155Gd-anti-VE-cadherin (D87F2). Total viable cells are displayed in analysis.

Description

VE-cadherin, also known as cadherin-5 and CD144, is a 140 kD glycoprotein which is composed of five extracellular cadherin repeats and a conserved cytoplasmic tail region. VE-cadherin is a calcium-dependent transmembrane cell-cell adhesion molecule localized at the intercellular boundaries of endothelial cells, hematopoietic stem cells, and perineurial cells. It may play a role in the control of permeability properties of vascular endothelium and in the organization of lateral endothelial junctions.

References

Bandura, D. R., et al. Mass Cytometry: Technique for Real Time Single Cell Multitarget Immunoassay Based on Inductively Coupled Plasma Time-of-Flight Mass Spectrometry. *Analytical Chemistry* 81:6813-6822, 2009.

Ornatsky, O. I., et al. Highly Multiparametric Analysis by Mass Cytometry. *J Immunol Methods* 361 (1-2):1-20, 2010.

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