

Anti-E-Cadherin-158Gd

Catalog: 3158021A

Package Size: 50 tests

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

Reactivity: Mouse,Human,Bovine

Clone: 24E10

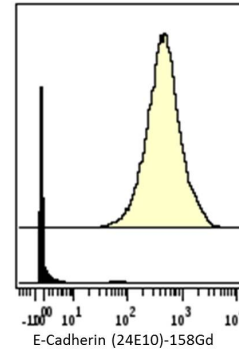
Isotype: IgG

Formulation: Antibody stabilizer with 0.05% Sodium Azide

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 MCF-7 cells (top) and human Jurkat cells (bottom) were fixed, permeabilized, and stained with 158Gd-anti-E-Cadherin (24E10).

Description

E-Cadherin (Epithelial cadherin), also known as CD325 or uvomorulin, is a member of the cadherin superfamily. E-Cadherin is a calcium-dependent, transmembrane cell-cell adhesion glycoprotein composed of 4 extracellular cadherin repeats and a highly conserved cytoplasmic tail region. It functions as cell adhesion molecule involved in development, bacterial pathogenesis, and tumor invasion. E-cadherin is widely expressed in epithelial cells in the colon, uterus, liver, keratinocytes, brain, heart, muscle, kidney, and pancreas as well as erythroid cells.

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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