TECHNICAL DATA SHEET

CyFlow™ CD324 FITC
Anti-Hu; Clone 67A4

REF **CL261536**

For Research Use Only.

Not for use in diagnostic or therapeutic procedures.

Specifications

Antigen	CD324
Alternative Names	E-Cadherin, CDH1, LCAM, CDHE, Arc-1, UVO
Clone	67A4
Clonality	monoclonal
Format	FITC
Host / Isotype	Mouse / IgG1
Species Reactivity	Human
Negative Species Reactivity	—
Quantity	100 tests
Immunogen	T-47D cells

Specificity

The mouse monoclonal antibody 67A4 recognizes CD324 (E-cadherin) antigen, a 100 kDa epithelial cell adhesion molecule, whose detection is important for determination of invasive potential of epithelial neoplasms.

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Application

The reagent is designed for Flow Cytometry analysis of human blood cells. Recommended usage is 20 µl reagent / 100 µl of whole blood or 10^6 cells in a suspension. The content of a vial (2 ml) is sufficient for 100 tests.

Other usages may be determined from the scientific literature.

Storage Buffer

The reagent is provided in stabilizing phosphate buffered saline (PBS) solution, pH ≈7.4, containing 0.1% (w/v) sodium azide.

Storage and Stability

Storage	Avoid prolonged exposure to light. Store in the dark at 2-8°C. Do not freeze.
Stability	Do not use after expiration date stamped on vial label.

Background Information

CD324 (E-cadherin) is an epithelial cell surface molecule, which provides calcium-dependent homophilic interactions with E-cadherin of another cell. These intaractions take part in morphogenetic programs controlling the maintenance of the structural and functional integrity of epithelia and affect invasive potential of epithelial neoplasms. CD324 (E-cadherin) is implicated in cell growth and differentiation, cell recognition, and sorting during developmental morphogenesis, as well as in aggregation-dependent cell survival. CD324 (E-cadherin)-mediated cell adhesion system is highly regulated from inside the cell by a number of intracellular signaling pathways.

References

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The Safety Data Sheet for this product is available at www.sysmex-partec.com/services.

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