

1P-588-T100

Monoclonal Antibody to CD324 / E-Cadherin Phycoerythrin (PE) conjugated (100 tests)

Clone:	67A4
Isotype:	Mouse IgG1
Specificity:	The mouse monoclonal antibody 67A4 recognizes CD324 / E-cadherin, an approximately 100 kDa epithelial cell adhesion molecule, whose detection is important for determination of invasive potential of epithelial neoplasms. HLDA VIII
Immunogen:	T-47D cells
Species Reactivity:	Human
Preparation:	The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.
Storage Buffer:	The reagent is provided in phosphate buffered saline (PBS) containing 15 mM sodium azide and 0.2% (w/v) high-grade protease free Bovine Serum Albumin (BSA) as a stabilizing agent.
Storage / Stability:	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. Short-term exposure to room temperature should not affect the quality of the reagent. However, if reagent is stored under any conditions other than those specified, the conditions must be verified by the user.
Usage:	The reagent is designed for Flow Cytometry analysis of human blood cells using 10 µl reagent / 100 µl of whole blood or 10 ⁶ cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.
Expiration:	See vial label
Lot Number:	See vial label
Background:	CD324 / E-cadherin is an epithelial cell surface molecule, which provides calcium-dependent homophilic interactions with E-cadherin of another cell. These interactions 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.

For laboratory research only, not for drug, diagnostic or other use.

**Antibodies****References:**

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- *And many other.

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