

11-588-C100

Monoclonal Antibody to CD324 / E-Cadherin Purified Antibody (0.1 mg)

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
Regulatory Status:	RUO
Immunogen:	T-47D cells
Species Reactivity:	Human
Application:	Flow Cytometry Application note: Tested on cell lines CACO-2 and HT-29. In this case the recommended concentration is 5-10 µg/ml per 1 million cells/ml. Immunoprecipitation Western Blotting Immunohistochemistry (frozen sections) Recommended dilution: 4-8 µg/ml Positive tissue: tonsil Immunocytochemistry
Purity:	> 95% (by SDS-PAGE)
Purification:	Purified by protein-A affinity chromatography
Concentration:	1 mg/ml
Storage Buffer:	Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4
Storage / Stability:	Store at 2-8°C. Do not freeze. Do not use after expiration date stamped on vial label.
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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