Monoclonal antibody to CD324 / E-Cadherin

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.

**Cat#:** EZG930 (100 µg purified antibody)

**Clone:** 67A4

**Isotype:** Mouse IgG1

**Immunogen:** T-47D cells

**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

**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 from cell culture supernatant 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 use after expiration date stamped on vial label. For long-term storage aliquot and store at -20°C. Avoid freeze/thaw cycles.
References:


*And many other.