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Product datasheet for AM26015FC-N

E Cadherin (CDH1) Mouse Monoclonal Antibody [Clone ID: 67A4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	67A4
Applications:	FC
Recommended Dilution:	Flow Cytometry analysis of human blood cells using 20 µl reagent / 100 µl of whole blood or 10e6 cells in a suspension. The content of a vial (2 ml) is sufficient for 100 tests.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	T-47D cells
Specificity:	This antibody recognizes CD324 / E-cadherin, an approximately 100 kDa epithelial cell adhesion molecule, whose detection is important for determination of invasive potential of epithelial neoplasms.
Formulation:	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 Label: FITC State: Liquid purified Ig fraction Label: Conjugated with Fluorescein isothiocyanate under optimum conditions. The reagent is free of unconjugated and adjusted for direct use
Conjugation:	FITC
Storage:	Store the antibody at 2-8°C. **DO NOT FREEZE!** This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.
Gene Name:	cadherin 1
Database Link:	Entrez Gene 999 Human P12830

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Background: 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.

Synonyms: Epithelial cadherin, E-cadherin, Uvomorulin, CAM 120/80, CDH1, CDHE, UVO