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30-1412: Anti-CD324 / E-Cadherin Monoclonal Antibody (Clone:67A4)

Clonality :	Monoclonal
Clone Name :	67A4
Application :	FACS
Reactivity :	Human
Gene :	CDH1
Gene ID :	999
Uniprot ID :	P12830
Format :	Purified
Alternative Name :	CDH1,CDHE,UVO
Isotype :	Mouse IgG1
Immunogen Information :	T-47D cells

Description

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.

Product Info

Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography
Storage condition :	Store at 2-8°C. Do not freeze.

Application Note

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

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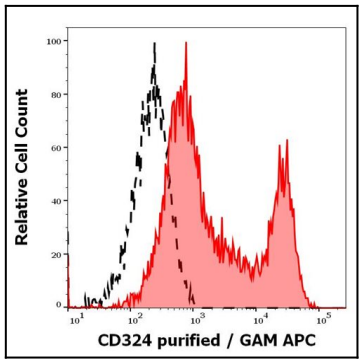

Figure 1: Separation of MCF-7 cells stained using anti-human CD324 (67A4) purified antibody (GAM APC, red-filled) from MCF-7 cells stained using mouse IgG1 isotype control (MOPC-21) purified antibody (GAM APC, black-dashed) in flow cytometry analysis (surface staining)