



## Peninsula Laboratories, LLC

A Member of the Bachem Group

305 Old County Road, San Carlos, CA 94070

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### Monoclonal Antibody To Human Cadherin E Liver Cell Adhesion Molecule L-CAM

E-Cadherin, also called L-CAM (Liver Cell Adhesion Molecule) is an epithelial cell adhesion molecule and plays an important role in the formation of cell-cell contacts in epithelia irrespective of their origin as ecto-, meso- or endodermal tissue. This early adhesion event between epithelial cells is a prerequisite for the assembly of all elements of the junctional complex and is as such important in maintaining epithelial integrity. Over 90% of malignancies are carcinomas. One of the prerequisites for the release of carcinoma cells from the primary site might be a defect in intercellular adhesion mediated by the absence of E-cadherin expression. Therefore, the expression of E-cadherin might be an important parameter for the determination of the invasive potential of epithelial neoplasms, and for the transition of a benign to a malignant neoplasm.

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<b>Product Number:</b>	T-1338
<b>Clone:</b>	67A4.2.1
<b>Host species, isotype:</b>	Mouse IgG1
<b>Quantity:</b>	200µg
<b>Format:</b>	Affinity purified, lyophilized
	Reconstitute by adding 0.5ml distilled water. This stock solution contains 0.4mg/ml IgG, phosphate buffered saline pH 7.2 (PBS), 5mg/ml bovine serum albumin (BSA) as a stabilizer and 0.1% sodium azide as a preservative. For best results, dilute in TBS or other phosphate-free buffer containing 10mM Ca <sup>2+</sup> .
<b>Stability:</b>	Original vial: 1 year at 4° - 8°C Stock solution: 1 year at -20°C. Avoid repeated thawing and freezing.
<b>Applications:</b>	Tested for immunohistochemistry (IHC); has been described to work in FACS.  <b>Approximate working dilution for IHC:</b> Frozen sections: 4-8µg/ml (1:50 - 1:100) Paraffin sections: does not react on routinely processed paraffin sections.  Optimal dilutions should be determined by the end user. Suggested positive control: Human tonsil.
<b>Immunogen:</b>	Breast carcinoma cell line T47D.



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For in vitro research only. Caution: this product contains sodium azide, a poisonous and hazardous substance.