

Monoclonal Antibody to CD324 / Cadherin-1 - Purified

Alternate names:	CAM 120/80, CDH1, CDHE, E-cadherin, Epithelial cadherin, UVO, Uvomorulin
Catalog No.:	BM4063
Quantity:	0.2 mg
Concentration:	0.4 mg/ml
Background:	<p>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.</p>
Uniprot ID:	P12830
NCBI:	NP_004351.1
GeneID:	999
Host / Isotype:	Mouse / IgG1
Clone:	67A4.2.1
Immunogen:	Breast carcinoma cell line T47D
Format:	<p>State: Lyophilized purified Ig fraction Purification: Protein A chromatography Buffer System: PBS pH 7.2 containing 10 mg/ml BSA as stabilizer and 0.09% sodium azide as preservative. Reconstitution: Restore with 0.5 ml distilled water. For best results, dilute in TBS or other phosphate-free buffer containing 10 mM Ca²⁺.</p>
Applications:	<p>Suitable for Immunohistochemistry (frozen sections: 4-8 µg/ml, 1/50-1:100) and FACS. Suggested positive control: Human tonsil. Does not react on routinely processed paraffin sections. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.</p>
Specificity:	<p>Species: Human. Other species not tested.</p>

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com

Storage: Store the antibody at 2-8°C for one month or (in aliquots) at -20°C for longer.
Avoid repeated freezing and thawing.
Shelf life: One year from despatch.

Protocols: **Protocol with frozen, ice-cold acetone-fixed sections:**
The whole procedure is performed at room temperature

1. Wash in PBS
2. Block endogenous peroxidase
3. Wash in PBS
4. Block with 10% normal goat serum in PBS for 30min. in a humid chamber
5. Incubate with primary antibody (dilution see datasheet) for 1h in a humid chamber
6. Wash in PBS
7. Incubate with secondary antibody (peroxidase-conjugated goat anti mouse IgG+IgM (H+L) minimal-cross reaction to human) for 1h in a humid chamber
8. Wash in PBS
9. Incubate with AEC substrate (3-amino-9-ethylcarbazol) for 12min.
10. Wash in PBS
11. Counterstain with Mayer's hemalum

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