

E-cadherin monoclonal antibody (ECCD-2)

ALX-804-202

Product Number/Sizes

ALX-804-202-C100 100 µg

Product Specifications

ALTERNATIVE NAME:	Uvomorulin, CD324, Epithelial cadherin, Cadherin-1
CLONE:	ECCD-2
HOST:	Rat
ISOTYPE:	IgG2a
IMMUNOGEN:	Mouse liver E-cadherin fragment.
UNIPROT ID:	P09803
SOURCE:	Obtained by fusing the P3-X63-Ag8 myeloma cell line with splenocytes of Donryu rat immunized with mouse liver E-cadherin fragment.
SPECIES REACTIVITY:	Human, Mouse Dog
CROSSREACTIVITY:	Does not cross-react with bovine or chicken E-cadherin.
APPLICATIONS:	IHC (FS), WB, FUNC
RECOMMENDED DILUTIONS/CONDITIONS:	Immunohistochemistry (frozen sections, 10µg/ml) Western Blot (10µg/ml) Suggested dilutions/conditions may not be available for all applications. Optimal conditions must be determined individually for each application.
APPLICATION NOTES:	Not recommended for Immunohistochemistry (paraffin sections). Functional Application: Does not inhibit E-cadherin dependent cell-cell contact and can be used to analyze the mechanism.
PURITY DETAIL:	Purified from serum-free culture supernatant by ammonium sulfate precipitation and anion exchange chromatography.
FORMULATION:	Lyophilized from 20mM TBS, pH 7.5, containing 1% BSA. Contains no preservatives.
RECONSTITUTION:	Reconstitute with 50µl distilled water. Dilute with 20mM TBS, pH 7.4, 10mM CaCl ₂ , 1.0% BSA. Reconstituted solution should contain 0.1% sodium azide as a preservative when stored at +4°C.
USE/STABILITY:	Stable for at least 2 years after receipt when stored at +4°C. Reconstituted antibody is stable for 6 months when stored at +4°C and for 1 year when stored at -20°C.
HANDLING:	Avoid freeze/thaw cycles. After reconstitution, prepare aliquots and store at -20°C.
SHIPPING:	Shipped on Blue Ice
SHORT TERM STORAGE:	+4°C
LONG TERM STORAGE:	-20°C
TECHNICAL INFO/PRODUCT NOTES:	Buffers should contain Ca ²⁺ to stabilize cadherin antigen. In case of immunohistochemical staining of acetone fixed frozen sections, Ca ²⁺ is not necessary.
REGULATORY STATUS:	RUO - Research Use Only

Product Literature References

Inverse correlation between the extent of N-glycan branching and intercellular adhesion in epithelia. Contribution of the Na,K-ATPase beta1 subunit O. Vagin, et al. J. Biol. Chem. **283** 2192 (2008)

Recruitment and activation of Rac1 by the formation of E-cadherin-mediated cell-cell adhesion sites M. Nakagawa, et al. J. Cell. Sci. **114** 1829 (2001)

The alpha isoform of protein kinase C is involved in signaling the response of desmosomes to wounding in cultured epithelial cells S. Wallis, et al. Mol. Biol. Cell. **11** 1077 (2000)

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Role of IQGAP1, a target of the small GTPase Cdc42 and Rac1, in regulation of E-cadherin-mediated cell-cell adhesion S. Kuroda, et al. *Science* **281** 832 (1998)

Recognition of E-cadherin on epithelial cells by the mucosal T cell integrin alpha M290 beta 7 (alpha E beta 7) P.I. Karecla, et al. *Eur. J. Immunol.* **25** 852 (1995)

Cadherin cell adhesion receptors as a morphogenetic regulator M. Takeichi *Science* **251** 1451 (1991)

The cadherins: cell-cell adhesion molecules controlling animal morphogenesis M. Takeichi *Development* **102** 639 (1988)

Transformation of cell adhesion properties by exogenously introduced E-cadherin cDNA A. Nagafuchi, et al. *Nature* **329** 341 (1987)

N-linked oligosaccharides are not involved in the function of a cell-cell binding glycoprotein E-cadherin Y. Shirayoshi, et al. *Cell Struct. Funct.* **11** 245 (1986)

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