

Novocastra™ Liquid Mouse Monoclonal Antibody E-Cadherin

Product Code: NCL-L-E-Cad

Intended Use	FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.
Specificity	Human E-Cadherin.
Clone	36B5
Ig Class	IgG1
Antigen Used for Immunizations	Prokaryotic recombinant protein corresponding to the N-terminal external region of the E-Cadherin molecule.
Hybridoma Partner	Mouse myeloma (p3-NS1-Ag4-1).
Preparation	Liquid tissue culture supernatant containing sodium azide. Volume as indicated on vial label.
Effective on Frozen Tissue	Not evaluated.
Effective on Paraffin Wax Embedded Tissue	Yes.
Recommendations on Use	Immunohistochemistry on paraffin sections. Heat Induced Epitope Retrieval (HIER): Please follow the instructions for use in Novocastra Epitope Retrieval Solution pH 6. Suggested dilution: 1:25 for 30 minutes at 25 °C. This is provided as a guide and users should determine their own optimal working dilutions. Visualization: Please follow the instructions for use in the Novolink™ Polymer Detection Systems. For further product information or support, contact your local distributor or regional office of Leica Biosystems, or alternatively, visit the Leica Biosystems web site, www.LeicaBiosystems.com <u>The performance of this antibody should be validated when utilized with other manual staining systems or automated platforms.</u> Western Blotting: Not recommended.
Positive Controls	Immunohistochemistry: tonsil - squamous epithelium.
Staining Pattern	Membrane and cytoplasm.
Storage and Stability	Store at 2–8 °C. Do not freeze. Return to 2–8 °C immediately after use. Do not use after expiration date indicated on the vial label. Storage conditions other than those specified above must be verified by the user.
Warnings and Precautions	This reagent has been prepared from the supernatant of cell culture. As it is a biological product, reasonable care should be taken when handling it. This reagent contains sodium azide. A Material Safety Data Sheet is available upon request or available from www.LeicaBiosystems.com
General Overview	Epithelial-cadherin (E-Cadherin) is a 120kD protein and a member of the cadherin family of calcium-dependent cell-cell adhesion molecules. In normal epithelial cells, it is concentrated at cell-cell adherens junctions. E-Cadherin is known to play an important role in the growth development of cells via the mechanisms that control tissue architecture and tissue integrity.





B I O S Y S T E M S

General References

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