Novocastra™ Liquid Mouse Monoclonal Antibody Cytokeratin (5/6/18)

Product Code: NCL-L-LP34

Intended Use	FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.
Specificity	Human cytokeratin 5, 6 and 18 intermediate filament proteins.
Clone	LP34
Ig Class	IgG1
Antigen Used for Immunizations	Detergent-insoluble fraction of psoriatic human epidermis.
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	Yes
Effective on Paraffin Wax Embedded Tissue	Yes. The staining of cytokeratin 18 may be variable on some formalin-fixed, paraffin-embedded tissue sections with NCL-L-LP34.
Recommendations on Use	Immunohistochemistry on paraffin sections. **Enzyme Induced Epitope Retrieval (EIER):** Please follow the instructions for use in Novocastra Enzyme Proteinase K (IHC). **Suggested dilution:** 1:100 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 The performance of this antibody should be validated when utilized with other manual staining systems or automated platforms.
Positive Controls	Immunohistochemistry: Skin.
Staining Pattern	Cytoplasmic.
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	NCL-L-LP34 reacts with human cytokeratin intermediate filament proteins 5, 6 and 18 on frozen tissue. NCL-L-LP34 shows a broad pattern of reactivity with human epithelial tissues, from simple glandular epithelia to stratified squamous epithelia. Epithelial cells are labelled whether they are ectodermal, mesodermal, or endodermal in origin. However, the recognition of cytokeratin 18 on paraffin sections using NCL-L-LP34 may be variable.

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BIOSYSTEMS

General References

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