

Novocastra™ Lyophilized Mouse Monoclonal Antibody Cytokeratin 17

Product Code: NCL-CK17

Intended Use	FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.
Specificity	Human cytokeratin 17 intermediate filament protein.
Clone	E3
Ig Class	IgG2b
Antigen Used for Immunizations	Keratin preparation from rat enterocytes.
Hybridoma Partner	Mouse myeloma (X63-Ag8.653).
Preparation	Lyophilized tissue culture supernatant containing sodium azide. Reconstitute with the volume of sterile distilled water indicated on the vial label.
Effective on Frozen Tissue	Yes
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 pH6. Suggested dilution: 1:20 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>
Positive Controls	Immunohistochemistry: Trachea. Western Blotting: HeLa cell line.
Staining Pattern	Cytoplasmic.
Storage and Stability	Store unopened antibody at 2–8 °C. Under these conditions, there is no significant loss in product performance up to the expiry date indicated on the vial label. Do not use after expiration date indicated on the vial label. The reconstituted antibody is stable for at least two months when stored at 2–8 °C. For long term storage, it is recommended that aliquots of the reconstituted antibody are stored frozen at -20 °C (frost-free freezers are not recommended). Repeated freezing and thawing must be avoided. Prepare working dilutions on the day of use. Return to 2–8 °C immediately after use. 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 confirm. 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





B I O S Y S T E M S

General Overview

NCL-CK17 reacts with the human cytokeratin intermediate filament protein (46 kD) identified as cytokeratin 17. In normal tissues, NCL-CK17 is reported to react mainly with basal cells of complex epithelia; basal cells of pseudostratified epithelium in the trachea, larynx and bronchi. The antibody also reportedly reacts with myoepithelial cells in salivary glands and sweat glands.

General References

Markey A C, Lane E B, MacDonald D M, et al.. *British Journal of Dermatology*. 126: 154–160 (1992).
Troyanovsky S M, Guelstein V I, Tchipsheva T A, et al.. *Journal of Cell Science*. 93: 419–426 (1989).
Guelstein V I, Tchipsheva T A, Ermilova V D, et al.. *International Journal of Cancer*. 42: 147–153 (1988).

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