Novocastra™ Liquid Mouse Monoclonal Antibody Cytokeratin 7

Product Code: NCL-L-CK7-560

Intended Use	FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.
Specificity	Human cytokeratin 7 intermediate filament.
Clone	RN7
Ig Class	IgG1
Antigen Used for Immunizations	Prokaryotic recombinant protein corresponding to part of the C-terminal region of the cytokeratin 7 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:** 1:100 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. **Western Blotting:** Not recommended.
Positive Controls	Immunohistochemistry: Endometrium.
Staining Pattern	Cytoplasmic and membrane.
Storage and Stability	Store liquid 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. Prepare working dilutions on the day of use.
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

Leica Biosystems Newcastle Ltd
Balliol Business Park West
Benton Lane
Newcastle Upon Tyne NE12 8EW
United Kingdom
✆ +44 191 215 4242

LBS Deutschland GmbH
Heidelberger Straße 17-19
69226 Nussloch
Tel: +49 6224 143 0

BIOSYSTEMS

General Overview

Cytokeratins are intermediate filament proteins present in epithelial cells. They are reported to be expressed in a tissue-specific manner in normal organs and the tumors that arise from them. Cytokeratin 7 belongs to the neutral basic type B subfamily of cytokeratins. Its distribution is confined to glandular and transitional epithelia. Cytokeratin 7 is reported to be expressed in abundance in cultured bronchial and mesothelial cells but only at lower levels in cultured epidermal cells. The predicted amino acid sequence of this keratin has revealed a striking difference between this keratin and the type II keratins expressed in epidermal cells.

General References

van de Molengraft FJJM, van Niekerk CC, Jap PHK, et al. Histopathology. 1993; 22:35-38.
van Niekerk CC, Jap PH, Ramaekers FC, et al. Journal of Pathology. 1991; 165(2):145-152.