

Novocastra™ Liquid Mouse Monoclonal Antibody CD5

Product Code: NCL-L-CD5-4C7

Intended Use	FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.
Specificity	Human CD5 molecule, 67 kD.
Clone	4C7
Ig Class	IgG1, kappa
Antigen Used for Immunizations	Recombinant prokaryotic fusion protein corresponding to the external domain of the human CD5 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	No
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 <u>The performance of this antibody should be validated when utilized with other manual staining systems or automated platforms.</u> Western Blotting: Typical working dilution 1:25–1:50.
Positive Controls	Immunohistochemistry: Tonsil. Western Blotting: Tonsil.
Staining Pattern	Membrane
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	CD5 antigen, a molecule of 67 kD, is expressed on activated T cells, most thymocytes, a subset of B cells and a large proportion of peripheral blood lymphocytes. In lymph nodes, the main reactivity is seen in T-cell areas and on occasional cells in B cell regions, particularly in mantle zones.





BIOSYSTEMS

General References

- Chu PG, Arber DA & Weiss LM. *American Journal of Clinical Pathology*. 2003; 120(1):64-70.
- Leong FJW-M and Leong AS-Y. *The Journal of Histotechnology*. 2002; 25(4):215-227.
- Walsh R, Peston D, & Sousha S. *Archives of Pathology and Laboratory Medicine*. 2001; 125(6):781-784.
- Chen CC, Raikow RB, Sonmez-Alpan E, et al. *Applied Immunohistochemistry & Molecular Morphology*. 2000; 8(1):1-11.
- Watson P, Wood KM, Lodge A et al. *Histopathology* 2000;36(2):145-150.
- Tateyama H, Eimoto T, Tada T, et al. *American Journal of Clinical Pathology*. 1999; 111(2):235-240.
- Izban KF, Hsi ED & Alkan S. *Modern Pathology*. 1998; 11(10):978-982.
- Kornstein MJ & Rosai J. *American Journal of Clinical Pathology*. 1998; 109(6):722-726.
- Kuo TT & Chan JK. *American Journal of Surgical Pathology*. 1998; 22(12):1474-1481.
- Dorfman DM & Shahsafaei A. *Modern Pathology*. 1997; 10(9):859-863.
- Kaufmann O, Flath B, Späth-Schwalbe E, et al. *American Journal of Clinical Pathology*. 1997; 108(6):669-673.