

# Novocastra™ Liquid Mouse Monoclonal Antibody CD23

**Product Code: NCL-L-CD23-1B12**

<b>Intended Use</b>	FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.
<b>Specificity</b>	Human CD23 antigen.
<b>Clone</b>	1B12
<b>Ig Class</b>	IgG1, kappa
<b>Antigen Used for Immunizations</b>	Prokaryotic recombinant fusion protein corresponding to the external domain of the CD23 molecule.
<b>Hybridoma Partner</b>	Mouse myeloma (p3-NS1-Ag4-1).
<b>Preparation</b>	Liquid tissue culture supernatant containing sodium azide. Volume as indicated on vial label.
<b>Effective on Frozen Tissue</b>	Yes
<b>Effective on Paraffin Wax Embedded Tissue</b>	Yes
<b>Recommendations on Use</b>	Immunohistochemistry on paraffin sections. <b>Heat Induced Epitope Retrieval (HIER):</b> Please follow the instructions for use in Novocastra Epitope Retrieval Solution pH 6. <b>Suggested dilution:</b> 1:50 for 30 minutes at 25 °C. This is provided as a guide and users should determine their own optimal working dilutions. <b>Visualization:</b> 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, <a href="http://www.LeicaBiosystems.com">www.LeicaBiosystems.com</a> <u>The performance of this antibody should be validated when utilized with other manual staining systems or automated platforms.</u> <b>Western Blotting:</b> Not recommended
<b>Positive Controls</b>	Immunohistochemistry: Tonsil. Indirect flow cytometry: NUT-II-U (positive) and A431 (negative).
<b>Staining Pattern</b>	Membrane.
<b>Storage and Stability</b>	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.
<b>Warnings and Precautions</b>	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 <a href="http://www.LeicaBiosystems.com">www.LeicaBiosystems.com</a>
<b>General Overview</b>	The CD23 antigen is a membrane glycoprotein of 45 kD found on a subpopulation of peripheral blood cells, B lymphocytes and on EBV transformed B lymphoblastoid cell lines. The CD23 molecule is identical to the low affinity IgE receptor found on B cells.





**B I O S Y S T E M S**

**General References**

- Linderoth J, Jerkeman M, Cavallin-Ståhl E, et al. *Clinical Cancer Research*. 2003; 9:722-728.  
Peh SC, Shaminie J, Poppema S, et al. *Singapore Medical Journal*. 2003; 44(4):185-191.  
Maeda K, Matsuda M, Suzuki H, et al. *The Journal of Histochemistry and Cytochemistry* 2002; 50(11):1475-1485.  
Watson P, Wood KM, Lodge A, et al. *Histopathology*. 2000 36(2), 145-150.