

Novocastra™ Liquid Mouse Monoclonal Antibody CD23

Product Code: NCL-L-CD23-1B12

Intended Use	FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.
Specificity	Human CD23 antigen.
Clone	1B12
Ig Class	IgG1, kappa
Antigen Used for Immunizations	Prokaryotic recombinant fusion protein corresponding to the external domain of the CD23 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	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 pH 6. Suggested dilution: 1:50 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: Not recommended
Positive Controls	Immunohistochemistry: Tonsil. Indirect flow cytometry: NUT-II-U (positive) and A431 (negative).
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	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

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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.