

Novocastra™ Lyophilized Mouse Monoclonal Antibody CD15

Product Code: NCL-CD15

Intended Use	FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.
Specificity	Human CD15 antigen (3-Fucosyl-N-acetyl-lactosamine).
Clone	BY87
Ig Class	IgM
Antigen Used for Immunizations	Peripheral blood cells from a patient with B cell lymphoma.
Hybridoma Partner	Mouse myeloma (p3-NS1-Ag4-1).
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 pH 9. Suggested dilution: 1:40 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 evaluated.
Positive Controls	Immunohistochemistry: Hodgkin's Lymphoma. Western Blotting: Not evaluated.
Staining Pattern	Membrane and a granular paranuclear zone of labeling in some cell types.
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. 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

CD15 antigen, also termed X-hapten, is expressed on 90 per cent of circulating human granulocytes, 30 to 60 per cent of circulating monocytes and is absent from normal lymphocytes. CD15 antibodies are reported to recognize the terminal trisaccharide structure GlcNAc which is also referred to as the Lewis^x antigen. This structure is found on a variety of glycoproteins and glycolipids at the cell surface.

General References

Hall P A and D'Ardenne A J. *Journal of Clinical Pathology*. 40: 1298–1304 (1987).
Lee F D. *Histopathology*. 11: 1211–1217 (1987).
Dorfman R F, Gatter K C, Pulford K A, et al.. *American Journal of Pathology*. 123: 508–519 (1986).