

# Novocastra™ Liquid Mouse Monoclonal Antibody CD45

## Product Code: NCL-L-LCA

<b>Intended Use</b>	FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.
<b>Specificity</b>	Human CD45 antigen.
<b>Clone</b>	X16/99
<b>Ig Class</b>	IgG1
<b>Antigen Used for Immunizations</b>	Peripheral blood cells from a patient with T cell lymphoma.
<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> 1:40 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 evaluated.
<b>Positive Controls</b>	Immunohistochemistry: Tonsil.
<b>Staining Pattern</b>	Membranes and cytoplasm of lymphoid cells.
<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 CD45 antigen (leucocyte common antigen) is a family of five or more high molecular weight glycoproteins present on the surface of the majority of human leucocytes (including lymphocytes, monocytes and eosinophils) but absent from erythrocytes and platelets.





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

**General References**

- Sylvester KG, Nesbit M, Radu A, et al. *Wound Repair and Regeneration*. 2000;8(1):36-44.  
Kauma SW, Huff TF, Hayes N, et al. *The Journal of Clinical Endocrinology and Metabolism*. 1999; 84(6):2188-2194.  
Oliveira E, Madureira R, Távora I. *Revista da FML*. 1999;4(Supl.3):29-34.