

# Novocastra™ Liquid Mouse Monoclonal Antibody CD45RO

**Product Code: NCL-L-UCHL1**

<b>Intended Use</b>	FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.
<b>Specificity</b>	Human CD45RO antigen.
<b>Clone</b>	UCHL1
<b>Ig Class</b>	IgG2a
<b>Antigen Used for Immunizations</b>	IL-2 dependent T cell line (CA1).
<b>Hybridoma Partner</b>	Mouse myeloma (P3-X63-Ag8-653).
<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>Epitope Retrieval:</b> Not recommended. <b>Suggested dilution:</b> 1:200 - 1:800 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>Positive Controls</b>	Immunohistochemistry: Tonsil and lymph node. Reactive lymph nodes show labelling of cells in the paracortex and absence of staining in germinal centres. Indirect flow cytometry: Tonsil and peripheral blood lymphocytes.
<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 I O S Y S T E M S**

**General Overview**

The CD45RO molecule, a 180 kD isoform of CD45, is expressed on 48 per cent of peripheral blood T lymphocytes, 37 per cent of CD4 positive lymphocytes and 80 per cent of thymocytes. Monocytes and granulocytes show surface expression of the antigen, whereas tissue macrophages exhibit cytoplasmic expression.

**General References**

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Terry L A, Brown M H and Beverley P C L. *Immunology*. 64: 331–336 (1988).  
Norton A J, Ramsay A D, Smith S H, et al.. *Journal of Clinical Pathology*. 39: 399–405 (1986).  
Smith S H, Brown M H, Rowe D, et al.. *Immunology*. 58: 63–72 (1986).