

Novocastra™ Liquid Mouse Monoclonal Antibody CD45RO

Product Code: NCL-L-UCHL1

Intended Use	FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.
Specificity	Human CD45RO antigen.
Clone	UCHL1
Ig Class	IgG2a
Antigen Used for Immunizations	IL-2 dependent T cell line (CA1).
Hybridoma Partner	Mouse myeloma (P3-X63-Ag8-653).
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. Epitope Retrieval: Not recommended. Suggested dilution: 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. 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>
Positive Controls	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.
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





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

- Hall P A, D'Ardenne A J and Stansfield A G. 13: 149–160 (1988).
- Hall P A, Kingston J and Stansfield A G. *Histopathology*. 13: 339–346 (1988).
- 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).