

Novocastra™ Liquid Mouse Monoclonal Antibody CD45

Product Code: NCL-L-LCA

Intended Use	FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.
Specificity	Human CD45 antigen.
Clone	X16/99
Ig Class	IgG1
Antigen Used for Immunizations	Peripheral blood cells from a patient with T cell lymphoma.
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: 1:40 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: Tonsil.
Staining Pattern	Membranes and cytoplasm of lymphoid cells.
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 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.