

Novocastra™ Liquid Mouse Monoclonal Antibody Pax-5

Product Code: NCL-L-PAX-5

Intended Use	FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.
Specificity	Human Pax-5.
Clone	1EW
Ig Class	IgG1
Antigen Used for Immunizations	Recombinant protein corresponding to part of the C-terminus of the human Pax-5 molecule.
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	Not fully evaluated.
Effective on Paraffin Wax Embedded Tissue	Yes
Recommendations on Use	<p>Immunohistochemistry on paraffin sections.</p> <p>Heat Induced Epitope Retrieval (HIER): Please follow the instructions for use in Novocastra Epitope Retrieval Solution pH 6.</p> <p>Suggested dilution: 1:100 for 30 minutes at 25 °C. This is provided as a guide and users should determine their own optimal working dilutions.</p> <p>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</p> <p><u>The performance of this antibody should be validated when utilized with other manual staining systems or automated platforms.</u></p> <p>Technical note: When utilised in immunohistochemistry, the use of H₂O₂ to block endogenous peroxidase has been shown to have a detrimental effect on the epitope recognized by NCL-L-PAX-5. It is, therefore, CRITICAL that blocking with H₂O₂ should be carried out after application of the primary antibody with solutions of no greater than 3%. If these recommendations are not followed, staining intensity will be reduced.</p> <p>Western Blotting: Typical working dilution 1:100–1:250.</p>
Positive Controls	Immunohistochemistry: tonsil. Western Blotting: BRISTOL 8 cell line.
Staining Pattern	Nuclear.
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	Pax-5 encodes for a B cell specific transcription factor that is expressed in pro B-cells and subsequently in all stages of B cell development until the plasma cell stage in which it is down regulated.
General References	Hansson M, Jerkeman M and Dictor M. European Journal of Haematology. 2007; 79:159-165.