

Novocastra™ Liquid Mouse Monoclonal Antibody Terminal Deoxynucleotidyl Transferase

Product Code: NCL-L-TdT-339

Intended Use	FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.
Specificity	Human terminal deoxynucleotidyl transferase.
Clone	SEN28
Ig Class	IgG2a
Antigen Used for Immunizations	Prokaryotic recombinant protein corresponding to the amino terminal region of the terminal deoxynucleotidyl transferase 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 evaluated
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: 1:100 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: Typical working dilution 1:500.
Positive Controls	Immunohistochemistry: thymus. Western Blotting: JURKAT 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





B I O S Y S T E M S

General Overview

Terminal deoxynucleotidyl transferase (TdT) is a DNA polymerase of 58 kD located in the cell nucleus which catalyses the polymerisation of deoxynucleotides at the 3' hydroxyl ends of oligo or polydeoxynucleotide initiators and functions without a template. TdT is expressed in primitive T and B lymphocytes of the normal thymus and bone marrow.

General References

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Swerdlow S.H, Campo E, Harris N.L. WHO Classification of Tumours of Haematopoietic and Lymphoid Tissues, Fourth Edition, 2008.
Bollum F.J. Blood. 1979; 54(6):1203-1215.