

## TdT / DNA Nucleotidylexotransferase (Acute Lymphoblastic Leukemia Marker) Antibody

Mouse Monoclonal Antibody [Clone DNTT/1453]

Catalog No	Format	Size
1791-MSM5-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
1791-MSM5-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
1791-MSM5-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

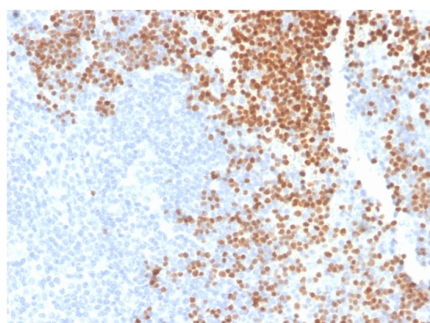
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

### Product Details

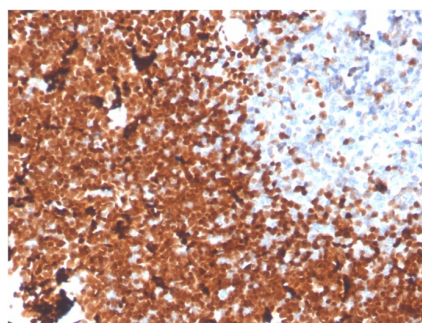
Clone	DNTT/1453
Gene Name	DNTT
Immunogen	Recombinant fragment (around aa 52-192) of human DNTT protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	58kDa
Cellular Localization	Nucleus
Species Reactivity	Human
Positive Control	Human thymus. Jurkatcells.

*\*Optimal dilution for a specific application should be determined.*

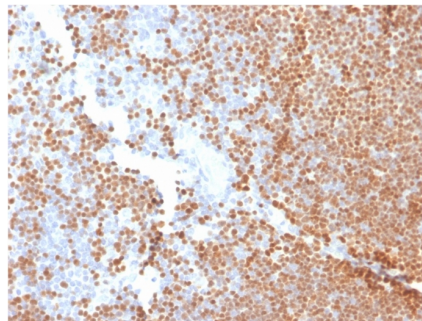
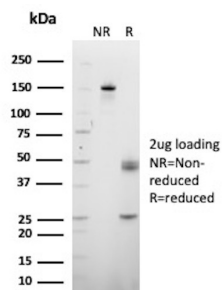
### Product Images for TdT / DNA Nucleotidylexotransferase (Acute Lymphoblastic Leukemia Marker) Antibody



Formalin-fixed, paraffin-embedded human Thymus stained with TdTMouse Monoclonal Antibody (DNTT/1453).



Formalin-fixed, paraffin-embedded human Thymus stained with TdTMouse Monoclonal Antibody (DNTT/1453).



SDS-PAGE Analysis of Purified TdT Mouse Monoclonal Antibody (DNTT/1453). Confirmation of Purity and Integrity of Antibody.

Formalin-fixed, paraffin-embedded human Thymus stained with TdT Mouse Monoclonal Antibody (DNTT/1453).

## Specificity & Comments

Terminal deoxynucleotidyltransferase (TdT) is a DNA polymerase which catalyzes the addition of deoxyribonucleotides onto the 3'-hydroxyl end of DNA primers without template direction. The enzyme thus provides a unique method for the labeling of the 3' termini of DNA. The human TdT gene maps to chromosome 10q24.1 and encodes a 510 amino acid protein. Human TdT is synthesized as a single chain peptide that elicits a minor preference for incorporation of deoxyribonucleotides over ribonucleotides forming DNA strands. TdT is present in immature thymocytes, some bone marrow cells, transformed pre-B and pre-T cell lines, and leukemia cells.

## Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

## Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

## Research Areas

B Cell Markers, Nuclear Marker

## Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.