



# Mouse Anti-Human TdT monoclonal antibody, clone JID782 (CABT-L2855)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	This antibody is intended for qualified laboratories to qualitatively identify by light microscopy the presence of associated antigens in sections of formalin-fixed, paraffin-embedded tissue sections using IHC test methods.
<b>Specificity</b>	Human TdT
<b>Isotype</b>	IgG
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	JID782
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IHC
<b>Reconstitution</b>	The prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining. The concentrated antibody requires dilution in the optimized buffer, to the recommended working dilution range.
<b>Positive Control</b>	Thymus
<b>Format</b>	Liquid
<b>Size</b>	Predilute: 7 ml, Concentrate: 100 µl, Concentrate: 1 ml
<b>Buffer</b>	Predilute: Antibody Diluent Buffer Concentrate: Tris Buffer, pH 7.3 - 7.7, with 1% BSA

<b>Preservative</b>	< 0.1% Sodium Azide
<b>Storage</b>	Store at 2-8°C. Do not freeze.
<b>Ship</b>	Wet ice

## BACKGROUND

<b>Introduction</b>	Terminal deoxynucleotidyl transferase (TdT) is a DNA polymerase present in normal and malignant pre-B and pre-T cells during early differentiation. Anti-TdT stains nearly all acute lymphoblastic lymphoma/leukemia (ALL) cases, but does not stain pre-B-cell ALL or mature B- and T-cells. Anti-TdT staining is also useful for identifying Type AB thymoma and some chronic myeloid leukemia.
<b>Keywords</b>	DNTT;DNA nucleotidylexotransferase;TDT;terminal transferase;terminal addition enzyme;terminal deoxynucleotidyltransferase;deoxynucleotidyltransferase, terminal;terminal deoxyribonucleotidyltransferase;nucleosidetriphosphate:DNA deoxynucleotidylexotransferase;

## GENE INFORMATION

<b>Gene Name</b>	DNTT DNA nucleotidylexotransferase [ Homo sapiens (human) ]
<b>Official Symbol</b>	DNTT
<b>Synonyms</b>	DNTT; DNA nucleotidylexotransferase; TDT; terminal transferase; terminal addition enzyme; terminal deoxynucleotidyltransferase; deoxynucleotidyltransferase, terminal; terminal deoxyribonucleotidyltransferase; nucleosidetriphosphate:DNA deoxynucleotidylexotransferase;
<b>Entrez Gene ID</b>	<a href="#">1791</a>
<b>Protein Refseq</b>	NP_001017520
<b>UniProt ID</b>	<a href="#">P04053</a>
<b>Chromosome Location</b>	10q23-q24
<b>Pathway</b>	Hematopoietic cell lineage; Non-homologous end-joining; Validated targets of C-MYC transcriptional repression;
<b>Function</b>	DNA binding; DNA nucleotidylexotransferase activity; DNA-directed DNA polymerase activity; metal ion binding;