

**TdT Antibody (C-term) Blocking peptide**  
Synthetic peptide  
Catalog # BP11561b**Specification**

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**TdT Antibody (C-term) Blocking peptide - Product Information**Primary Accession [P04053](#)**TdT Antibody (C-term) Blocking peptide - Additional Information**

Gene ID 1791

**Other Names**

DNA nucleotidyltransferase, Terminal addition enzyme, Terminal deoxynucleotidyltransferase, Terminal transferase, DNTT, TDT

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**TdT Antibody (C-term) Blocking peptide - Protein Information**

Name DNTT

Synonyms TDT {ECO:0000303|PubMed:11473582}

**Function**

Template-independent DNA polymerase which catalyzes the random addition of deoxynucleoside 5'-triphosphate to the 3'-end of a DNA initiator. One of the in vivo functions of this enzyme is the addition of nucleotides at the junction (N region) of rearranged Ig heavy chain and T-cell receptor gene segments during the maturation of B- and T-cells.

**Cellular Location**

Nucleus.

**TdT Antibody (C-term) Blocking peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

**TdT Antibody (C-term) Blocking peptide - Images****TdT Antibody (C-term) Blocking peptide - Background**

This gene is a member of the DNA polymerase type-X family and encodes a template-independent DNA polymerase that catalyzes the addition of deoxynucleotides to the 3'-hydroxyl terminus of oligonucleotide primers. In vivo, the encoded protein is expressed in a restricted population of normal and malignant pre-B and pre-T lymphocytes during early differentiation, where it generates antigen receptor diversity by synthesizing non-germ line elements (N-regions) at the junctions of rearranged Ig heavy chain and T cell receptor gene segments. Alternatively spliced transcript variants encoding different isoforms of this gene have been described.

**TdT Antibody (C-term) Blocking peptide - References**

Kubota, T., et al. *Genes Cells* 12(8):941-959(2007) O'Malley, D.P., et al. *Haematologica* 91(8):1139-1140(2006) Grupe, A., et al. *Am. J. Hum. Genet.* 78(1):78-88(2006) Thai, T.H., et al. *J. Immunol.* 173(6):4009-4019(2004) Liu, L., et al. *Am. J. Clin. Pathol.* 121(6):810-815(2004)