

TDT Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP14478a**Specification**

TDT Antibody (N-term) Blocking Peptide - Product Information

Primary Accession [P04053](#)

TDT Antibody (N-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 (N-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 (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

TDT Antibody (N-term) Blocking Peptide - Images**TDT Antibody (N-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 (N-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)