

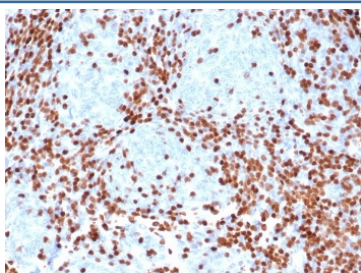
DNTT Antibody / TdT / DNA Nucleotidylexotransferase [clone rDNTT/6909] (V9490)

Catalog No.	Formulation	Size
V9490-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9490-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9490SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

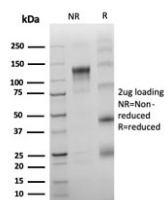
Recombinant **MOUSE MONOCLONAL**

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Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG1, kappa
Clone Name	rDNTT/6909
Purity	Protein A/G affinity
UniProt	P04053
Localization	Nucleus
Applications	ELISA (Use BSA-free Format For Coating) : Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This DNTT antibody is available for research use only.



IHC staining of FFPE human thymus tissue with DNTT antibody (clone rDNTT/6909).
HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free DNTT antibody (clone rDNTT/6909) as confirmation of integrity and purity.

Description

Terminal deoxynucleotidyl transferase (TdT) is an unusual deoxynucleotide polymerizing enzyme with a molecular weight of about 58 kDa found normally only in B- and T-cell lymphoblasts/prelymphocytes. TdT 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. Rare TdT-positive cells are regularly detected in thymus and bone marrow. Typically, TdT expression in the thymus is very variable from cell to cell since it is rapidly decreased in more mature T-cells. TdT-positive cells may occasionally be found in tonsils, lymph nodes and extranodal lymphoid tissue. Immunohistochemical detection of TdT has value in classification of malignant lymphomas and acute leukemias, particularly for the identification of pre-B and pre-T acute lymphoblastic leukemia/lymphoblastic lymphoma (ALL/LBL).

Application Notes

Optimal dilution of the DNTT antibody should be determined by the researcher.

Immunogen

A portion of amino acids 1-100 was used as the immunogen for the DNTT antibody.

Storage

Aliquot the DNTT antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.