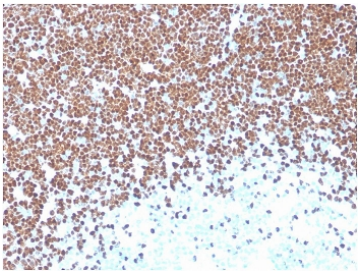
TdT Antibody / DNA nucleotidylexotransferase [clone TDT/1393] (V8399)

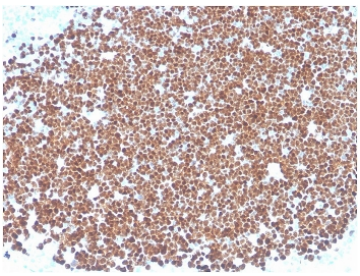
Catalog No.	Formulation	Size
V8399-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8399-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8399SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	TDT/1393
Purity	Protein G affinity chromatography
UniProt	P04053
Localization	Nucleus
Applications	ELISA : 2-4ug/ml for coating; order Ab without BSA Immunohistochemistry (FFPE) : 1-2ug/ml for 30 minutes at RT
Limitations	This TdT antibody is available for research use only.



IHC staining of FFPE human thymus with TdT antibody (clone TDT/1393). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



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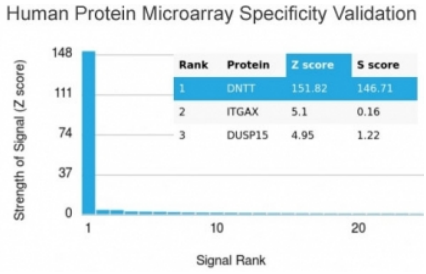
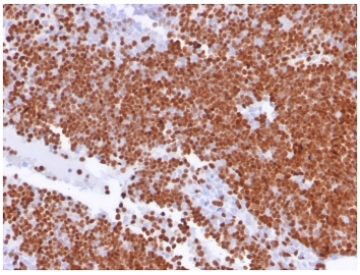


Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using TdT antibody (clone TDT/1393). These results demonstrate the foremost specificity of the TDT/1393 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



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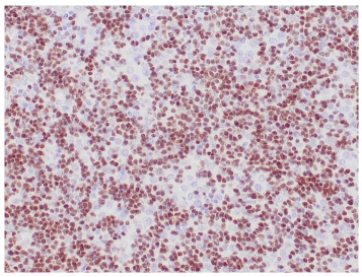

IHC staining of FFPE human thymoma with TdT antibody (clone TDT/1393). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

Description

Terminal deoxynucleotidyltransferase (TdT) is a DNA polymerase which catalyzes the addition of deoxyribonucleotides onto 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. It is present in immature thymocytes, some bone marrow cells, transformed pre-B and pre-T cell lines, and leukemia cells.

Application Notes

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

Immunogen

A portion of amino acids 52-192 from the human protein was used as the immunogen for the TdT antibody.

Storage

Store the TdT antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).