TdT / DNA Nucleotidylexotransferase (Acute Lymphoblastic Leukemia Marker) Antibody

Mouse Monoclonal Antibody [Clone TDT/1393]

Catalog No	Format	Size
1791-MSM3-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
1791-MSM3-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
1791-MSM3-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

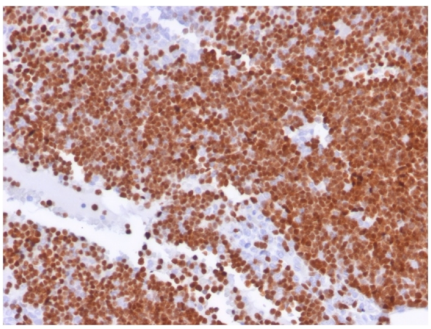
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

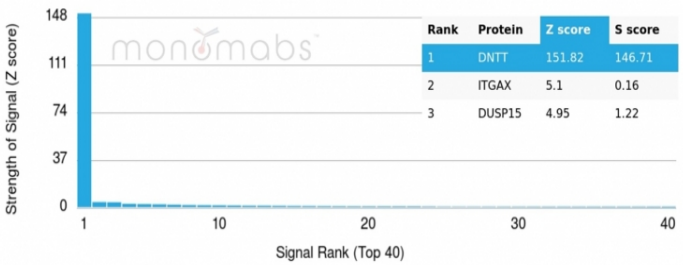
Clone	TDT/1393
Gene Name	DNTT
Immunogen	Recombinant fragment (around aa 52-192) of human DNTT protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	58kDa
Cellular Localization	Nucleus
Species Reactivity	Human
Positive Control	Human thymus. Jurkat cells.

**Optimal dilution for a specific application should be determined.*

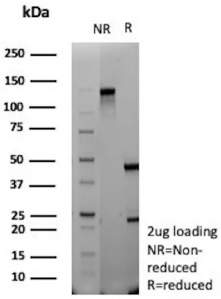
Product Images for TdT / DNA Nucleotidylexotransferase (Acute Lymphoblastic Leukemia Marker) Antibody



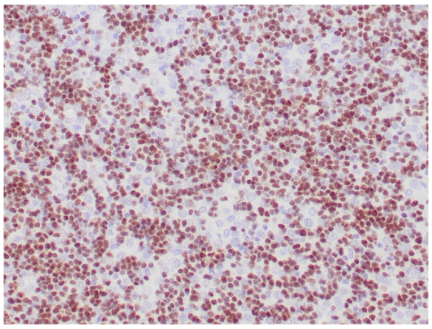
Formalin-fixed, paraffin-embedded human thymus stained with TdT Monospecific Mouse Monoclonal Antibody (TDT/1393).



Analysis of Protein Array containing more than 19,000 full-length human proteinsusing TdT-Monospecific Mouse Monoclonal Antibody (TDT/1393). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



SDS-PAGE Analysis of Purified TdT Monospecific Mouse Monoclonal Antibody (TDT/1393). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human thymomastained with TdT Monospecific Mouse Monoclonal Antibody (TDT/1393).

Specificity & Comments

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).

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

B Cell Markers, Nuclear Marker

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.