

Rabbit Anti-TdT [MD154R]: RM0305, RM0305RTU7

Intended Use: For Research Use Only

Description: Terminal deoxynucleotidyl transferase (TdT) is a unique DNA polymerase that changes the addition of deoxynucleoside 5'-triphosphate to the 3'-end of a DNA initiator without template direction. TdT contributes to the generation of junctional diversity in antigen receptors of immature lymphocytes. TdT is expressed in lymphoid precursors of B- and T-cell lineage in thymus and bone marrow. Foci of TdT positive cells may be observed in peripheral lymphoid tissues. TdT is also present in malignant tumors of lymphoblastic lineage and thymoma. It is a sensitive and specific marker for lymphoblastic lymphoma/leukemia.

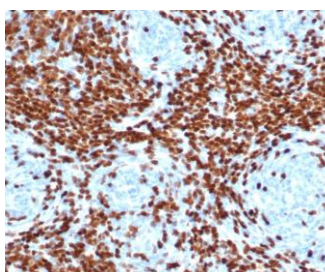
Specifications

Clone: MD154R
 Source: Rabbit
 Isotype: IgG
 Reactivity: Human
 Immunogen: Synthetic peptide corresponding to residues within aa1-100 of human TdT
 Localization: Nucleus
 Formulation: Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN₃)
 Storage: Store at 2°- 8°C
 Applications: IHC
 Package:

Description	Catalog No.	Size
TdT Concentrated	RM0305	1 ml
TdT Prediluted	RM0305RTU7	7 ml

IHC Procedure

Positive Control Tissue: Thymoma, thymus
 Concentrated Dilution: 50-200
 Pretreatment: Tris EDTA pH9.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
 Incubation Time and Temp: 30-60 minutes @ RT
 Detection: Refer to the detection system manual
 * Result should be confirmed by an established diagnostic procedure.



FFPE human thymus stained with anti-TdT using DAB

References:

1. Terminal deoxynucleotidyl transferase requires KU80 and XRCC4 to promote N-addition at non-V(D)J chromosomal breaks in non-lymphoid cells. Boubakour-Azzouz I, et al. Nucleic Acids Res 40:8381-91, 2012.
2. Evidence for a stepwise program of extrathymic T cell development within the human tonsil. McClory S, et al. J Clin Invest 122:1403-15, 2012.

Doc. 100-RM0305

Rev. B