

TDT | Validation File

TARGET TDT

CLONE NAME 41C

DESCRIPTION mouse monoclonal

ANTIGEN USED HIS-TDT

ISOTYPE IgG2a

SPECIES REACTIVITY human

LOCALIZATION nuclear

POSITIVE CONTROL Thymus

STORAGE BUFFER Tissue culture supernatant: 0.02% sodium azide
Purified antibody: PBS plus 1%BSA and 0.02% sodium azide. MAb concentration: 1mg/ml

STORAGE Aliquot and store at 4C. Do not freeze

 Recommended

 Inconclusive

 Not Recommended

 Not Tested

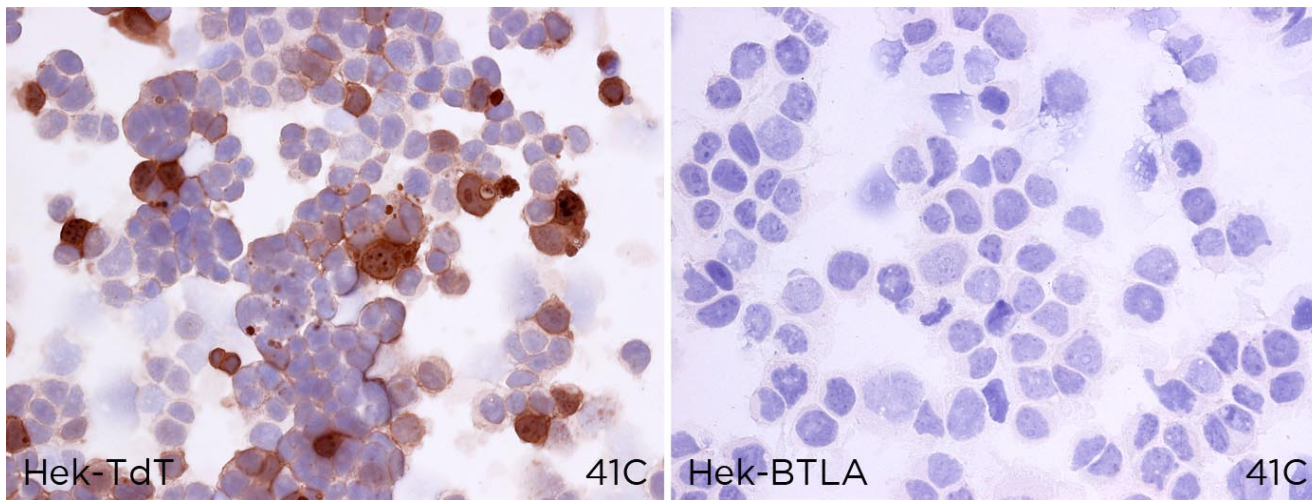
APPLICATIONS

● | ICC | Immunocytochemistry

41C is able to detect human TdT protein in immunocytochemistry

DILUTION neat supernatant

To confirm that 41C mAb recognizes human TdT protein, immunocytochemistry on frozen cytospin preparations of human TdT expressed in HEK293T cell line was performed. Cytospin preparation of human BTLA protein was used as a negative control.



● | WB | **Western Blotting**

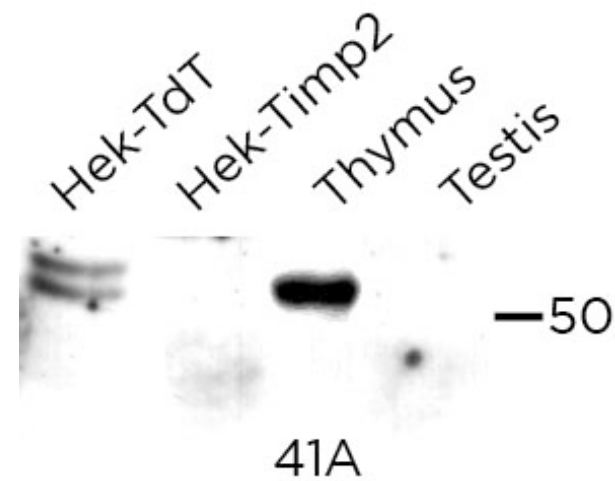
41C mAb is able to detect human TdT protein by WB.

DILUTION neat supernatant

Predicted molecular weight: **58kDa**
Observed molecular weight: **58kDa**

LANES

Lane 1 Hek-TdT (30ug) (+)
Lane 2 Hek-Timp2 (30ug) (-)
Lane 3 Human thymus (100ug) (+)
Lane 4 Human testis (100ug) (-)



● | IHC-P | **Immunohistochemistry (paraffin)**

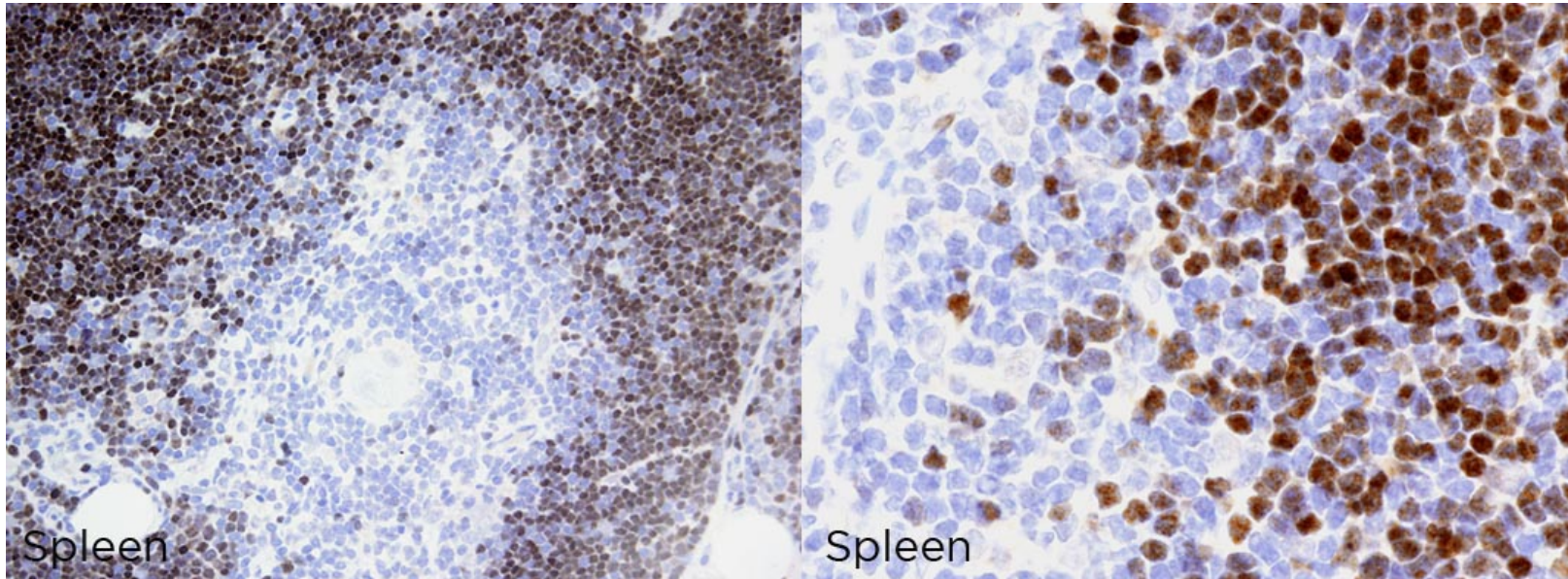
41C mAb can be used to detect TDT protein in human paraffin tissues

TISSUE SAMPLE Human thymus

DILUTION 1:10 (supernatant)

ANT. RETRIEVAL 30 minutes ER2 (Tris-EDTA)

DETECTION SYSTEM Novolink kit (BondMax Leica)

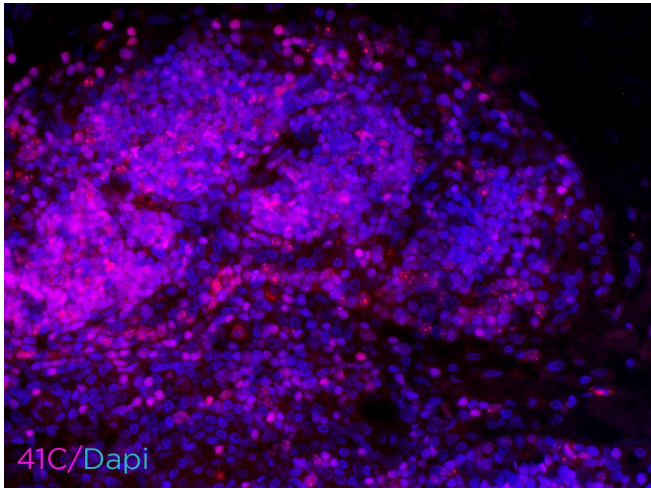


● | IF | **Immunofluorescence (paraffin)**

41C mAb can be used to detect TdT protein by immunofluorescence

TISSUE SAMPLE human thymus

DILUTION 1:50 (purified antibody 1mg/ml)



● | IHC-F | **Immunohistochemistry (frozen)** Not Recommended

● | FC | **Flow Cytometry** Not Recommended

● | IP | **Immunoprecipitation** Not Tested

SOLD BY: Abcam and Biolegend

REFERENCES

Susan McClory, Tiffany Hughes, Aharon G Freud, Edward L Briercheck, Chelsea Martin, Anthony J Trimboli, Jianhua Yu, Xiaoli Zhang, Gustavo Leone, Gerard Nuovo, Michael A Caligiuri. Evidence for a stepwise program of extrathymic T cell development within the human tonsil. The Journal of Clinical Investigation. 2 April 2012.