

Product datasheet

Anti-TdT antibody [SP150] - BSA and Azide free ab245730

Recombinant RabMAb

[4 Images](#)

Overview

Product name	Anti-TdT antibody [SP150] - BSA and Azide free
Description	Rabbit monoclonal [SP150] to TdT - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: Flow Cyt (Intra), IHC-P, WB
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	IHC-P: Human thymus and thymoma tissue. WB: Jurkat whole cell lysate (ab7899). Flow Cyt (intra): Jurkat cells.
General notes	<p>ab245730 is the carrier-free version of ab183341.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

This product is FOR RESEARCH USE ONLY. For commercial use, please contact partnerships@abcam.com.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.20 Constituent: PBS
Carrier free	Yes
Purity	Protein A/G purified
Purification notes	Purified from TCS by protein A/G.
Clonality	Monoclonal
Clone number	SP150
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab245730 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

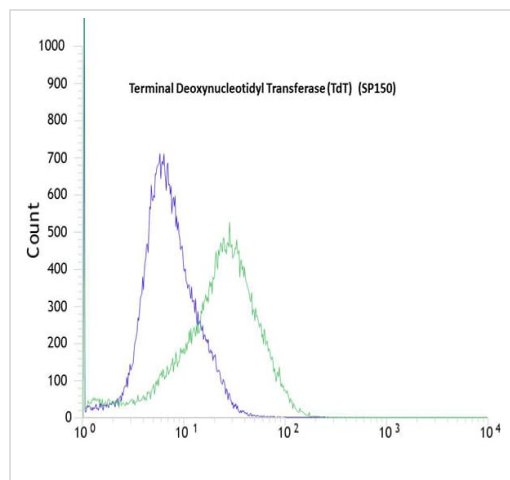
Application	Abreviews	Notes
Flow Cyt (Intra)		Use at an assay dependent concentration. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. Boil tissue section in 1mM EDTA buffer, pH 8.0 for 10 min followed by cooling at room temperature for 20 min.
WB		Use at an assay dependent concentration. Predicted molecular weight: 59 kDa.

Target

Function Template-independent DNA polymerase which catalyzes the random addition of deoxynucleoside 5'-triphosphate to the 3'-end of a DNA initiator. One of the in vivo functions of this enzyme is the addition of nucleotides at the junction (N region) of rearranged Ig heavy chain and T-cell receptor gene segments during the maturation of B- and T-cells.

Sequence similarities Belongs to the DNA polymerase type-X family.
Contains 1 BRCT domain.

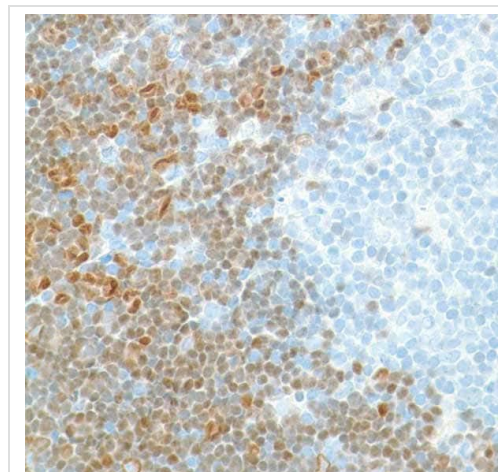
Images



Flow Cytometry (Intracellular) - Anti-TdT antibody [SP150] - BSA and Azide free (ab245730)

Intracellular flow cytometric analysis of Jurkat (Human T cell leukemia cell line from peripheral blood) cells labeling TdT with **ab183341** (green), compared with a negative control of rabbit IgG (blue).

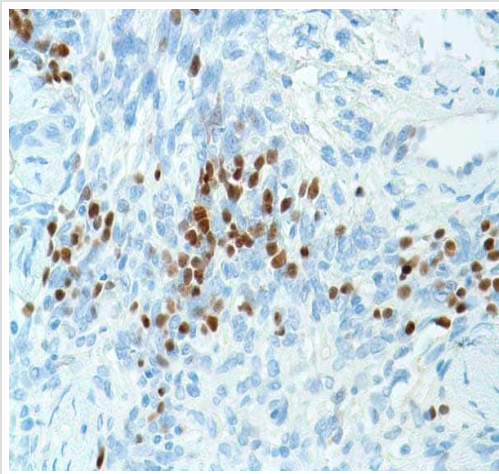
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA and sodium azide (**ab183341**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TdT antibody [SP150] - BSA and Azide free (ab245730)

Immunohistochemical analysis of paraffin-embedded human thymus tissue labeling TdT with **ab183341** at a 1/100 dilution.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA and sodium azide (**ab183341**).



Immunohistochemical analysis of paraffin-embedded human thymoma tissue labeling TdT with **ab183341** at a 1/100 dilution.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA and sodium azide (**ab183341**).

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TdT antibody [SP150] - BSA and Azide free (ab245730)

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-TdT antibody [SP150] - BSA and Azide free (ab245730)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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