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TdT
Recombinant Rabbit Monoclonal Antibody
Product Datasheet

Catalog# BX50084
Clone# BP6089

Predicted Molecular Wt: 58kDa
Species Cross-reactivity: Human
Applications: IHC-P
Purity: ProA affinity purified IgG
Form: Liquid
Swissprot ID: P04053

Background:

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 leukaemias, particularly for the identification of pre-B and pre-T acute lymphoblastic leukemia/lymphoblastic lymphoma (ALL/LBL).

Subcellular location:

Nucleus

Recommended method:

Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes.

Immunogen:

Synthetic peptide corresponding to residues within aa1-100 of TdT was used as an immunogen.

Storage Buffer:

PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

Storage conditions:

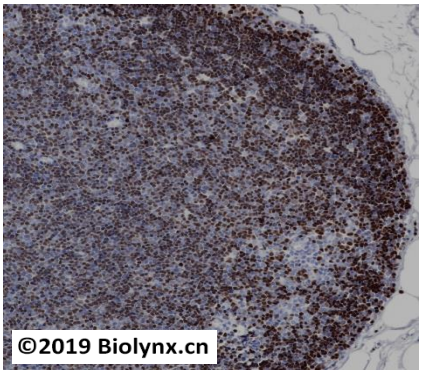
-20°C

Storage instructions:

Shipped on blue ice. Upon delivery, aliquot, and store at -20°C. Avoid freeze / thaw cycles.

Recommended Dilutions:

IHC-P: 1:100-1:200



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of thymoma labelling TdT with BP6089. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9.0.

Background References:

1. Chang LM, Bollum FJ. CRC Crit Rev Biochem. 1986;21(1):27-52.
2. Kang LC, Dunphy CH. Arch Pathol Lab Med. 2006;130(2):153-7.

Product QC'd by:

For research use only. Not for use in diagnostic or therapeutic applications.