Mouse anti TdT-2 Monoclonal Antibody

Alternative Name(s): TdT

Order Information

- **Description:** TdT
- **Catalogue:** 604-880
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Mouse
- **Clone:** TdT2
- **Application:** IHC(P), FC
- **Reactivity:** Hu

ANTIGEN PREPARATION

A recombinant protein of human TdT

BACKGROUND

Terminal deoxynucleotidyl transferase (TdT), also known as DNA nucleotidylexotransferase (DNTT) or terminal transferase, is a member of the DNA polymerase type-X family and encodes a template-independent DNA polymerase that catalyzes the addition of deoxynucleotides to the 3'-hydroxyl terminus of oligonucleotide primers. TdT is a specialized DNA polymerase expressed early in pre-B and pre-T lymphoid cell development, and in acute lymphoblastic leukemia/lymphoma cells. TdT contributes to the generation of junctional diversity by synthesizing non-germ line elements (N-regions) at the junctions of rearranged Ig heavy chain and T cell receptor gene segments.

PURIFICATION

The mouse IgG is purified by Protein A-Affinity Chromatography according to Isotyping

FORMULATION

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody recognizes human TdT protein. The other species are not tested.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at –20oC to –70oC. The antibodies can be stored at 2oC-8oC for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS*

- Western Blot: 0.1-1 µg/ml
- ELISA: 0.01-0.1 µg/ml
- Immunoprecipitation: 2-5 µg/ml
- IHC: 2-10 µg/ml
- Flow cytometry: 0.5-5 µg/106 cells
- Molecular Weight: 74.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

*Optimal dilutions should be determined by researchers for the specific applications.

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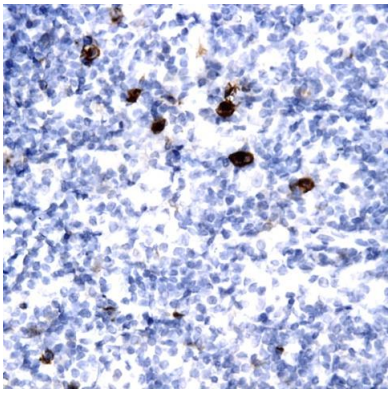
DATA ATTACHMENTS



Immunohistochemistry: Human Tonsil (FFPE) stained with Mouse anti- TdT (Cat# 604-880) at 1:200 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

REFERENCES