BioLegend
The path to legendary discovery™

Product Data Sheet

Purified anti-TdT

Catalog # / Size: 649301 / 25 µg
649302 / 100 µg

Clone: L10-2

Isotype: Mouse IgG2b, κ

Immunogen: TdT

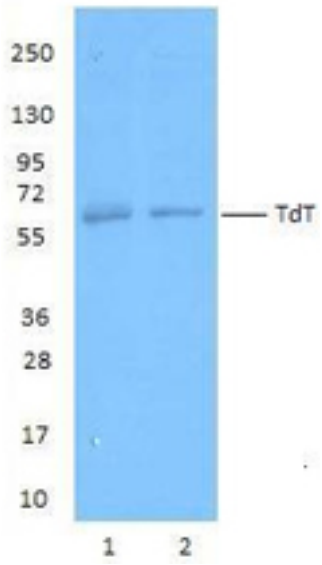
Reactivity: Mouse, **Cross-Reactivity**: Human

Preparation: This antibody was purified by affinity chromatography.

Formulation: This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.5 mg/ml

Storage: Upon receipt, store undiluted at 4°C.



A20 mouse B cell lymphoma cell extracts (Lane 1) and Jurkat cell extracts (Lane 2) were resolved by electrophoresis, transferred to nitrocellulose, and probed with monoclonal anti-mouse TdT antibody (clone L10-2). Proteins were visualized using a goat anti-mouse IgG secondary conjugated to HRP and chemiluminescence detection.

Applications:

Applications: WB - *Quality tested*

Recommended Usage: Each lot of this antibody has been quality control tested by Western blotting. Western blotting, suggested working dilution(s): Use 1.0 µg per ml antibody dilution buffer for each mini-gel. It is recommended that the reagent be titrated for optimal performance for each application.

Description: 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. The L10-2 clone has been shown to be useful for western blotting of human and mouse TdT.

Antigen References:

1. Yunk L, *et al.* 2009. *J. Immunol.* 183:452.
2. Kedzierska K, *et al.* 2008. *J. Immunol.* 181:2556.
3. Fuller SA, *et al.* 1985. *Biochem. J.* 231:105.
4. Feeney AJ, *et al.* 2001. *J. Immunol.* 167:348.
5. Komori T, *et al.* 1993. *Science* 261:1171.

Related Products:

Product	Clone	Application
HRP Goat anti-mouse IgG (minimal x-reactivity)	Poly4053	ELISA, IHC, WB
Purified Mouse IgG2b, κ Isotype Ctrl	MPC-11	FC, ICFC, ICC, IF, IHC, IP, WB

BioLegend Inc., 9727 Pacific Heights Blvd, San Diego, CA 92121 www.biolegend.com
Toll-Free Phone: 1-877-Bio-Legend (246-5343) Phone: (858) 768-5800 Fax: (877) 455-9587