

# 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.

## 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 nucleotidyltransferase (DNNT) 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:**

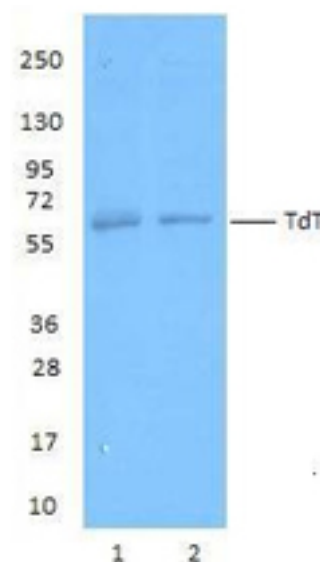
1. Yunk L, *et al.* 2009. *J. Immunol.* 183:452.
2. Kedzierska K, *et al.* 2008. *J. Immunol.* 181:2556.
3. Fuller SA, *et al.* 1985. *Biochem. J.* 231:105.
4. Feeney AJ, *et al.* 2001. *J. Immunol.* 167:348.
5. Komori T, *et al.* 1993. *Science* 261:1171.

### Related Products:

**Product**  
HRP Goat anti-mouse IgG (minimal x-reactivity)  
Purified Mouse IgG2b, κ Isotype Ctrl

**Clone**  
Poly4053  
MPC-11

**Application**  
ELISA, IHC, WB  
FC, ICFC, ICC, IF, IHC, IP, WB



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.



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