

Datasheet: OBT0009

Description:	RABBIT ANTI HUMAN TdT KIT
Name:	TdT
Other names:	TERMINAL DEOXYNUCLEOTIDYL TRANSFERASE
Format:	Kit
Product Type:	Kits
Isotype:	Polyclonal IgG
Quantity:	20 TESTS

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Immunofluorescence	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Kit
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	All components contain 0.1% Sodium Azide (NaN ₃) Components 2, 2C and 3 contain 1% Bovine Serum Albumin Component M contains 80% glycerol
External Database Links	<p>UniProt: P04053 Related reagents</p> <p>Entrez Gene: 1791 DNNT Related reagents</p>
Synonyms	TDT

Product Information **Rabbit anti Human TdT kit** is a set of reagents intended to allow the identification of Terminal deoxynucleotidyl transferase positive (TdT⁺) cells by combined fluorescence and phase contrast microscopy.

Reagents In The Kit Kit contains ready-to-use reagents sufficient for twenty slide tests:

1 Normal goat serum (10% normal goat serum in PBS/azide) - 1.0ml

2 Rabbit anti- human -TdT antibody mixture - 0.5ml

2C Negative control antibody - 0.5ml

3 FITC-goat anti- rabbit IgG F(ab')₂ - 1.0ml.

M Mounting medium (80% glycerol in PBS/azide) - 1.0ml

Additional Reagents Required Cold absolute methanol
Phosphate buffered saline (PBS)

Instructions For Use Standard bone marrow or peripheral blood smears may be used for immunofluorescence staining. Cytocentrifuge preparations of cell suspensions made up in RPMI-1640 tissue culture medium containing 10% foetal calf serum are also suitable. Frozen sections should be cut as thin as possible. Store unfixed slide preparations in a dessicator at room temperature.

- 1.** Circle two areas of interest (1 cm diameter) with diamond pencil on the slide to be stained. One will be used as a control area and the other is for the test. Fix smears for 30 min. in absolute methanol at 4°C immediately before staining. Air dry.
- 2.** Block by adding a drop of normal goat serum to both circled areas. Let stand for 5 min. Rinse off goat serum with PBS.
- 3.** Apply 25 ul rabbit anti human TdT antibody mixture to the test area and 25 ul of negative control to control area and allow to react for 30 min in a humid chamber.
- 4.** Rinse avoiding cross-contamination of reagents. Now wash for 10 min. in a Coplin jar with several changes of PBS. Agitate occasionally for thorough washing.
- 5.** Wipe the slide, avoiding cells, and shake excess wash solution off circled area. Spread 25 ul of FITC goat anti rabbit IgG F(ab')₂ and incubate in humid chamber for 30 min in the dark.
- 6.** Rinse off and wash for 10 min. in a Coplin jar with several changes of PBS.
- 7.** Apply small drops of glycerol/PBS (mounting medium) to two glass cover slips and invert circled areas on slide over dropped cover slips.

8. Examine by epifluorescence and phase microscopy. Evaluate the percentage of nucleated cells exhibiting nuclear fluorescence.

Storage

This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee

Guaranteed until date of expiry. Please see product label.

Health And Safety Information

Material Safety Datasheet documentation #10504 #10147 #10143 available at:

<https://www.bio-rad-antibodies.com/SDS/OBT0009>

1 - Normal goat serum (10504)

M - Mounting Medium (10147)

2, 2C & 3 - Antibody Preparations (10143)

Regulatory

For research purposes only

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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