

Datasheet: OBT0012

**BATCH NUMBER 158501**

<b>Description:</b>	MOUSE ANTI HUMAN TdT:FITC
<b>Specificity:</b>	TdT
<b>Other names:</b>	TERMINAL DEOXYNUCLEOTIDYL TRANSFERASE
<b>Format:</b>	FITC
<b>Product Type:</b>	Monoclonal Antibody Panel
<b>Clone:</b>	HT-1, HT-4, HT-8, HT-9
<b>Isotype:</b>	Cocktail
<b>Quantity:</b>	25 µg

## 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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry (1)	▪			Neat
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA			▪	

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.

**(1) Membrane permeabilisation is required for this application. Bio-Rad recommends the use of Leucoperm™ (Product Code [BUF09](#)) for this purpose.**

<b>Target Species</b>	Human		
<b>Product Form</b>	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid		
<b>Max Ex/Em</b>	<b>Fluorophore</b>	<b>Excitation Max (nm)</b>	<b>Emission Max (nm)</b>
	FITC	490	525
<b>Buffer Solution</b>	Phosphate buffered saline		
<b>Preservative</b>	0.1% Sodium Azide (NaN <sub>3</sub> )		
<b>Stabilisers</b>	1% Bovine Serum Albumin		

<b>Approx. Protein Concentrations</b>	IgG concentration 50.0 ug/ml
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P04053</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">1791</a>    DNNT    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	TDT
<b>RRID</b>	AB_609798
<b>Specificity</b>	<p><b>Mouse anti Human TdT antibody panel, clones HT-1, HT-4, Ht-8 and HT-9</b> is a mixture of 4 monoclonal antibodies specific for human terminal deoxynucleotidyl transferase (TdT). TdT is a DNA polymerase responsible for the catalysis of non-reversible addition of deoxynucleotides to the 3' end hydroxy groups of DNA. TdT levels are enhanced in all forms of acute lymphoblastic leukaemia (ALL) and in a significant number of chronic lymphoblastic leukaemia cases (CML). TdT is not expressed in the majority of myeloid leukaemias, non-Hodgkins lymphomas or mature lymphoid leukaemias.</p>
<b>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label $1 \times 10^6$ cells in 100ul.
<b>References</b>	<p>1. Wolgast, L.R. <i>et al.</i> (2011) Spectrin isoforms: differential expression in normal hematopoiesis and alterations in neoplastic bone marrow disorders. <a href="#">Am J Clin Pathol. 2011 Aug;136(2):300-8.</a></p>
<b>Storage</b>	<p>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.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.</p>
<b>Guarantee</b>	Guaranteed until date of expiry. Please see product label.
<b>Health And Safety Information</b>	<p>Material Safety Datasheet documentation #10041 available at:  <a href="https://www.bio-rad-antibodies.com/SDS/OBT0012">https://www.bio-rad-antibodies.com/SDS/OBT0012</a>  10041</p>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Useful Reagents

[HUMAN SEROBLOCK \(BUF070A\)](#)

[HUMAN SEROBLOCK \(BUF070B\)](#)

**North & South** Tel: +1 800 265 7376

**Worldwide** Tel: +44 (0)1865 852 700

**Europe** Tel: +49 (0) 89 8090 95 21

**America** Fax: +1 919 878 3751

Fax: +44 (0)1865 852 739

Fax: +49 (0) 89 8090 95 50

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

Email: [antibody\\_sales\\_uk@bio-rad.com](mailto:antibody_sales_uk@bio-rad.com)

Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

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

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