

Datasheet: OBT0012

BATCH NUMBER 158501

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

	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.

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

Approx. Protein Concentrations	IgG concentration 50.0 ug/ml
External Database Links	<p>UniProt: P04053 Related reagents</p> <p>Entrez Gene: 1791 DNTT Related reagents</p>
Synonyms	TDT
RRID	AB_609798
Specificity	<p>Mouse anti Human TdT antibody panel, clones HT-1, HT-4, Ht-8 and HT-9 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>
Flow Cytometry	Use 10ul of the suggested working dilution to label 1×10^6 cells in 100ul.
References	<p>1. Wolgast, L.R. <i>et al.</i> (2011) Spectrin isoforms: differential expression in normal hematopoiesis and alterations in neoplastic bone marrow disorders. Am J Clin Pathol. 2011 Aug;136(2):300-8.</p>
Storage	<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>
Guarantee	Guaranteed until date of expiry. Please see product label.
Health And Safety Information	<p>Material Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/OBT0012 10041</p>
Regulatory	For research purposes only

Related Products

Recommended Useful Reagents

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

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

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
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batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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