Datasheet: OBT0012

BATCH NUMBER 156682

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	**UniProt:** P04053 Related reagents **Entrez Gene:** 1791 DNTT Related reagents
Synonyms	TDT
RRID	AB_609798
Specificity	**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.
Flow Cytometry	Use 10ul of the suggested working dilution to label $1x10^6$ cells in 100ul.
References	1. Wolgast, L.R. *et al.* (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.
Storage	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Guarantee	Guaranteed until date of expiry. Please see product label.
Health And Safety Information	Material Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/OBT0012 10041
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

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

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