

Datasheet: MCA1197F

Description:	MOUSE ANTI HUMAN CD7:FITC
Specificity:	CD7
Format:	FITC
Product Type:	Monoclonal Antibody
Clone:	LT7
Isotype:	IgG2a
Quantity:	100 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
Flow Cytometry	■			Neat
Immunohistology - Frozen			■	
Immunohistology - Paraffin			■	

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

Target Species	Human		
Product Form	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer I (FITC) - liquid		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	FITC	490	525
Preparation	Purified IgG prepared by affinity chromatography on Protein A		
Buffer Solution	Phosphate buffered saline		
Preservative Stabilisers	0.09% Sodium Azide		
	1% Bovine Serum Albumin		
Approx. Protein Concentrations	IgG concentration 0.1mg/ml		
Immunogen	Normal human peripheral blood lymphocytes.		
External Database Links	UniProt:		
	P09564	Related reagents	

Entrez Gene:[924](#) [CD7](#) [Related reagents](#)

Fusion Partners	Spleen cells from immunized BALB/c mice were fused with cells of the X63.653 mouse myeloma cell line.
Specificity	Mouse anti Human CD7 antibody, clone LT7 recognizes the human T-cell antigen CD7, also known as TP41 or CD7. CD7 is a single chain cell surface glycoprotein of ~40 kDa, expressed by T cells, NK cells and thymocytes. CD7 is also expressed by tumor cells in some cases of acute myeloid leukaemia.
Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul.
References	1. Haynes, B.F. <i>et al.</i> (1989) Ontogeny of T-cell precursors: a model for the initial stages of human T-cell development. Immunol Today. 10 (3): 87-91. 2. Aruffo, A. & Seed, B. (1987) Molecular cloning of two CD7 (T-cell leukemia antigen) cDNAs by a COS cell expression system. EMBO J. 6 (11): 3313-6.
Storage	Store at +4°C or at -20°C if preferred. 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.
Shelf Life	18 months from the date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10041 available at: 10041: https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf
Regulatory	For research purposes only

Related Products

Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL:FITC \(MCA929F\)](#)

Recommended Useful Reagents

[HUMAN SEROBLOCK \(BUF070A\)](#)[HUMAN SEROBLOCK \(BUF070B\)](#)**North & South** Tel: +1 800 265 7376**America** Fax: +1 919 878 3751Email: antibody_sales_us@bio-rad.com**Worldwide**

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