

Datasheet: MCA1197F

BATCH NUMBER 160502

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	0.09% Sodium Azide		
Stabilisers	1% Bovine Serum Albumin		
Approx. Protein	IgG concentration 0.1 mg/ml		

Concentrations

Immunogen Normal human peripheral blood lymphocytes.

External Database Links

UniProt:

[P09564](#) [Related reagents](#)

Entrez Gene:

[924](#) CD7 [Related reagents](#)

RRID AB_321395

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 10⁶ cells in 100ul

References

1. Haynes, B.F. *et al.* (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 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. This product is photosensitive and should be protected from light.

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10041 available at: <https://www.bio-rad-antibodies.com/SDS/MCA1197F>
10041

Regulatory For research purposes only

Related Products

Recommended Negative Controls

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

Recommended Useful Reagents

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

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

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'M384912:210513'

Printed on 20 Mar 2024

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