

## Datasheet: MCA1197F

<b>Description:</b>	MOUSE ANTI HUMAN CD7:FITC
<b>Specificity:</b>	CD7
<b>Format:</b>	FITC
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	LT7
<b>Isotype:</b>	IgG2a
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Human		
<b>Product Form</b>	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer I (FITC) - liquid		
<b>Max Ex/Em</b>	<b>Fluorophore</b>	<b>Excitation Max (nm)</b>	<b>Emission Max (nm)</b>
	FITC	490	525
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A		
<b>Buffer Solution</b>	Phosphate buffered saline		
<b>Preservative</b>	0.09% Sodium Azide		
<b>Stabilisers</b>	1% Bovine Serum Albumin		
<b>Approx. Protein Concentrations</b>	IgG concentration 0.1 mg/ml		

<b>Immunogen</b>	Normal human peripheral blood lymphocytes.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P09564</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">924</a>    CD7    <a href="#">Related reagents</a></p>
<b>RRID</b>	AB_321395
<b>Fusion Partners</b>	Spleen cells from immunized BALB/c mice were fused with cells of the X63.653 mouse myeloma cell line.
<b>Specificity</b>	<b>Mouse anti Human CD7 antibody, clone LT7</b> 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.
<b>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label 10 <sup>6</sup> cells in 100ul
<b>References</b>	<ol style="list-style-type: none"> <li>Haynes, B.F. <i>et al.</i> (1989) Ontogeny of T-cell precursors: a model for the initial stages of human T-cell development. <a href="#">Immunol Today. 10 (3): 87-91.</a></li> <li>Aruffo, A. &amp; Seed, B. (1987) Molecular cloning of two CD7 (T-cell leukemia antigen) cDNAs by a COS cell expression system. <a href="#">EMBO J. 6 (11): 3313-6.</a></li> </ol>
<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>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10041 available at: 10041: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf</a>
<b>Regulatory</b>	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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To find a 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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