

## Datasheet: MCA751APC

<b>Description:</b>	MOUSE ANTI GUINEA PIG T LYMPHOCYTES:APC
<b>Specificity:</b>	T LYMPHOCYTES (PAN)
<b>Format:</b>	APC
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	CT5
<b>Isotype:</b>	IgG1
<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	▪			1/5 - 1/10

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>	Guinea Pig		
<b>Product Form</b>	Purified IgG conjugated to Allophycocyanin (APC) - lyophilised		
<b>Reconstitution</b>	Reconstitute with 1 ml distilled water		
<b>Max Ex/Em</b>	<b>Fluorophore</b>	<b>Excitation Max (nm)</b>	<b>Emission Max (nm)</b>
	APC	650	661
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G		
<b>Buffer Solution</b>	Phosphate buffered saline		
<b>Preservative</b>	0.09% Sodium Azide		
<b>Stabilisers</b>	1%	Bovine Serum Albumin	
	5%	Sucrose	
<b>Immunogen</b>	Guinea pig peritoneal T cells.		

<b>RRID</b>	AB_2226471
<b>Fusion Partners</b>	Spleen cells from immunised BALB/c mice were fused with cells of the X63.Ag8.653 mouse myeloma cell line.
<b>Specificity</b>	<b>Mouse anti Guinea Pig T Lymphocytes antibody, clone CT5</b> recognizes a cell surface antigen present on the surface of all guinea pig T lymphocytes. It is likely that CT5 binds to the guinea pig homolog of human CD3 ( <a href="#">Miszczyk et al. 2014</a> ).
<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>1. Tan, B.T. <i>et al.</i> (1985) Production of monoclonal antibodies defining guinea pig T-cell surface markers and a strain 13 Ia-like antigen: the value of immunohistological screening. <a href="#">Hybridoma. 4 (2): 115-24.</a></li> <li>2. Steerenberg, P.A. <i>et al.</i> (1991) Tumour rejection after adoptive transfer of line-10-immune spleen cells is mediated by two T cell subpopulations. <a href="#">Cancer Immunol Immunother. 34 (2): 103-10.</a></li> <li>3. Steerenberg, P.A. <i>et al.</i> (1990) Tumor infiltrating leukocytes (tils) during progressive tumor growth and BCG-mediated tumor regression. <a href="#">Virchows Arch B Cell Pathol Incl Mol Pathol. 59 (4): 185-94.</a></li> <li>4. Shang, S. <i>et al.</i> (2011) Activities of TMC207, rifampin, and pyrazinamide against Mycobacterium tuberculosis infection in guinea pigs. <a href="#">Antimicrob Agents Chemother. 55 (1): 124-31.</a></li> <li>5. Sanden, C. <i>et al.</i> (2017) Broad Th2 neutralization and anti-inflammatory action of pentosan polysulfate sodium in experimental allergic rhinitis. <a href="#">Immun Inflamm Dis. 5 (3): 300-9.</a></li> <li>6. Wagner, A.H. <i>et al.</i> (2008) Signal transducer and activator of transcription 1 decoy oligodeoxynucleotide suppression of contact hypersensitivity. <a href="#">J Allergy Clin Immunol. 121 (1): 158-65.e5.</a></li> <li>7. Wu, W.H. <i>et al.</i> (2012) Immune status and the development of <i>Listeria monocytogenes</i> infection in aged and young guinea pigs. <a href="#">Clin Invest Med. 35 (5): E309.</a></li> </ol>
<b>Storage</b>	Store at +4°C. DO NOT FREEZE This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #20487 available at: 20487: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/20487.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/20487.pdf</a>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:APC \(MCA928APC\)](#)

**North & South** Tel: +1 800 265 7376

**Worldwide** Tel: +44 (0)1865 852 700

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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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