

## Datasheet: MCA751

<b>Description:</b>	MOUSE ANTI GUINEA PIG T LYMPHOCYTES
<b>Specificity:</b>	T LYMPHOCYTES (PAN)
<b>Format:</b>	S/N
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	CT5
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	0.25 ml

## 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	▪			1/100 - 1/1000
Immunohistology - Frozen	▪			1/100 - 1/1000
Immunohistology - Paraffin	▪			
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting			▪	

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>	Tissue Culture Supernatant - liquid
<b>Preservative</b>	0.1% Sodium Azide
<b>Stabilisers</b>	0.7% Bovine Serum Albumin
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Immunogen</b>	Guinea pig peritoneal T cells.
<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. Reactivity is also seen with some myeloid cells, and with the L2C guinea pig B cell leukaemia.

**Flow Cytometry** Use 10ul of the suggested working dilution to label 10<sup>6</sup> cells in 100ul.

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**References**

1. Tan, B.T. *et al.* (1985) Production of monoclonal antibodies defining guinea pig T-cell surface markers and a strain 13 Ia-like antigen: the value of immunohistological screening. [Hybridoma. 4 \(2\): 115-24.](#)
2. Steerenberg, P.A. *et al.* (1991) Tumour rejection after adoptive transfer of line-10-immune spleen cells is mediated by two T cell subpopulations. [Cancer Immunol Immunother. 34 \(2\): 103-10.](#)
3. Steerenberg, P.A. *et al.* (1990) Tumor infiltrating leukocytes (tils) during progressive tumor growth and BCG-mediated tumor regression. [Virchows Arch B Cell Pathol Incl Mol Pathol. 59 \(4\): 185-94.](#)
4. Shang, S. *et al.* (2011) Activities of TMC207, rifampin, and pyrazinamide against Mycobacterium tuberculosis infection in guinea pigs. [Antimicrob Agents Chemother. 55 \(1\): 124-31.](#)

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**Storage** Store at +4°C for one month or at -20°C for longer.

This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Shelf Life** 18 months from date of despatch.

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**Health And Safety Information** Material Safety Datasheet documentation available at:  
Material Safety Datasheet Documentation #10495 available at:  
<https://www.bio-rad-antibodies.com/uploads/MSDS/10495.pdf>

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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR117...) [FITC](#)  
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)  
Rabbit Anti Mouse IgG (STAR12...) [RPE](#)  
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)

### Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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