

## Datasheet: MCA1804

<b>Description:</b>	MOUSE ANTI HUMAN CD5
<b>Specificity:</b>	CD5
<b>Format:</b>	S/N
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	4C7
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	1 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			▪	
Immunohistology - Frozen		▪		
Immunohistology - Paraffin (1)	▪			1/25 - 1/50
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			1/25 - 1/50

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.

**(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.**

<b>Target Species</b>	Human
<b>Product Form</b>	Tissue Culture Supernatant - liquid
<b>Preservative Stabilisers</b>	15mM Sodium Azide
<b>Immunogen</b>	Recombinant human CD5.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P06127</a>   <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">921</a>   CD5   <a href="#">Related reagents</a></p>
<b>Synonyms</b>	LEU1

<b>Fusion Partners</b>	Spleen cells from immunised mice were fused with cells of the mouse p3-NS1-Ag4-1 myeloma cell line.
<b>Specificity</b>	<p><b>Mouse anti Human CD5 antibody, clone 4C7</b> recognizes the human CD5 cell surface antigen. CD5 is expressed by mature T lymphocytes and also by a minor subset of normal B lymphocytes.</p> <p>CD5 expression may be useful in studies of lymphoma classification, being positive in cases of mantle zone lymphoma and B cell chronic lymphocytic leukaemia.</p>
<b>Histology Positive Control Tissue</b>	Human Tonsil
<b>References</b>	<p>1. Kornstein, M.J. and Rosai, J. (1998) CD5 labeling of thymic carcinomas and other nonlymphoid neoplasms. <a href="#">Am J Clin Pathol. 109: 722-6.</a></p> <p>2. Kaufmann, O. <i>et al.</i> (1997) Immunohistochemical detection of CD5 with monoclonal antibody 4C7 on paraffin sections. <a href="#">Am J Clin Pathol. 108: 669-73.</a></p>
<b>Storage</b>	<p>Store at +4°C or at -20°C if preferred.</p> <p>This product should be stored undiluted</p> <p>Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
<b>Shelf Life</b>	12 months from date of despatch.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10053 available at: 10053: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10053.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10053.pdf</a>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR76...)	<a href="#">RPE</a>
Goat Anti Mouse IgG IgA IgM (STAR87...)	<a href="#">Alk. Phos.</a> , <a href="#">HRP</a>
Goat Anti Mouse IgG (H/L) (STAR117...)	<a href="#">Alk. Phos.</a> , <a href="#">DyLight@488</a> , <a href="#">DyLight@549</a> , <a href="#">DyLight@649</a> , <a href="#">DyLight@680</a> , <a href="#">DyLight@800</a> , <a href="#">FITC</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR9...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (STAR77...)	<a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR12...)	<a href="#">RPE</a>
Goat Anti Mouse IgG (Fc) (STAR120...)	<a href="#">FITC</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR8...)	<a href="#">DyLight@800</a>
Goat Anti Mouse IgG (STAR70...)	<a href="#">FITC</a>
Rabbit Anti Mouse IgG (STAR13...)	<a href="#">HRP</a>
Human Anti Mouse IgG1 (HCA036...)	<a href="#">HRP</a>

### Recommended Negative Controls

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

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