

Datasheet: MCA1804T

Description:	MOUSE ANTI HUMAN CD5
Specificity:	CD5
Format:	S/N
Product Type:	Monoclonal Antibody
Clone:	4C7
Isotype:	IgG1
Quantity:	0.1 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.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen		▪		
Immunohistology - Paraffin (1)	▪			1/25 - 1/50
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.

Target Species	Human
Product Form	Tissue Culture Supernatant - liquid
Preservative Stabilisers	15mM Sodium Azide
Immunogen	Recombinant human CD5.

External Database Links

UniProt:

[P06127](https://www.uniprot.org/entry/P06127)

[Related reagents](#)

Entrez Gene:

[921](#) CD5 [Related reagents](#)

Synonyms	LEU1
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RRID	AB_323921
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Fusion Partners	Spleen cells from immunised mice were fused with cells of the mouse p3-NS1-Ag4-1 myeloma cell line.
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Specificity	<p>Mouse anti Human CD5 antibody, clone 4C7 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>
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Histology Positive Control Tissue	Human Tonsil
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References	<ol style="list-style-type: none">1. Kornstein, M.J. and Rosai, J. (1998) CD5 labeling of thymic carcinomas and other nonlymphoid neoplasms. Am J Clin Pathol. 109: 722-6.2. Kaufmann, O. <i>et al.</i> (1997) Immunohistochemical detection of CD5 with monoclonal antibody 4C7 on paraffin sections. Am J Clin Pathol. 108: 669-73.
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Storage	<p>Prior to reconstitution store at +4°C. Following reconstitution 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>
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Guarantee	12 months from date of reconstitution.
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Health And Safety Information	Material Safety Datasheet documentation #10053 available at: 10053: https://www.bio-rad-antibodies.com/uploads/MSDS/10053.pdf
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Regulatory	For research purposes only
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Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)

Goat Anti Mouse IgG (STAR77...) [HRP](#)

Rabbit Anti Mouse IgG (STAR12...) [RPE](#)

Rabbit Anti Mouse IgG (STAR8...)	DyLight@800
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight@488 , DyLight@680 , DyLight@800 , FITC , HRP

Recommended Negative Controls

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

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
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