

## Datasheet: MCA1810T

<b>Description:</b>	MOUSE ANTI HUMAN CD23
<b>Specificity:</b>	CD23
<b>Other names:</b>	FceRII
<b>Format:</b>	S/N
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	1B12
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	0.1 ml

## Product Details

**RRID** AB\_323538

### 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	▪			1/20 - 1/40
Immunohistology - Paraffin (1)	▪			1/20 - 1/40

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** 0.09% Sodium Azide

**Immunogen** Recombinant human CD23.

### External Database Links

**UniProt:**

[P06734](#) [Related reagents](#)

**Entrez Gene:**

[2208](#) FCER2 [Related reagents](#)

**Synonyms** CD23A, CLEC4J, FCE2, IGBF

<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 CD23 antibody, clone 1B12</b> recognizes the human CD23 cell surface antigen also known as FcεRII (Fc epsilon Receptor II). CD23 is a 45 kDa glycoprotein that functions as a low affinity receptor for IgE.</p> <p>CD23 is expressed by peripheral B lymphocytes, cells of B cell chronic lymphocytic leukaemia and upon EBV transformed lymphoblastoid cells.</p>
<b>Histology Positive Control Tissue</b>	Tonsil
<b>References</b>	<ol style="list-style-type: none"> <li>1. Watson, P. <i>et al.</i> (2000) Monoclonal antibodies recognizing CD5, CD10 and CD23 in formalin-fixed, paraffin-embedded tissue: production and assessment of their value in the diagnosis of small B-cell lymphoma. <a href="#">Histopathology. 36: 145-50.</a></li> <li>2. Steiniger, B. <i>et al.</i> (2011) The follicular dendritic cell network in secondary follicles of human palatine tonsils and spleens. <a href="#">Histochem Cell Biol. 135: 327-36.</a></li> <li>3. Yoshida, S. <i>et al.</i> (2005) Primary breast diffuse large B-cell lymphoma shows a non-germinal center B-cell phenotype. <a href="#">Mod Pathol. 18: 398-405.</a></li> <li>4. Tasaki, K. <i>et al.</i> (2007) CD5-positive mucosa-associated lymphoid tissue (MALT) lymphoma of ocular adnexal origin: usefulness of fluorescence <i>in situ</i> hybridization for distinction between mantle cell lymphoma and MALT lymphoma. <a href="#">Pathol Int. 57: 101-7.</a></li> </ol>
<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>Guarantee</b>	Guaranteed until date of expiry. Please see product label.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10055 available at: 10055: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10055.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10055.pdf</a>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...)	<a href="#">Alk. Phos.</a> , <a href="#">HRP</a>
Goat Anti Mouse IgG (STAR77...)	<a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR12...)	<a href="#">RPE</a>
Rabbit Anti Mouse IgG (STAR8...)	<a href="#">DyLight®800</a>
Rabbit Anti Mouse IgG (STAR13...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (STAR76...)	<a href="#">RPE</a>
Goat Anti Mouse IgG (STAR70...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (Fc) (STAR120...)	<a href="#">FITC</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR9...)	<a href="#">FITC</a>

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** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto: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](mailto: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](mailto:antibody_sales_de@bio-rad.com)

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