

Datasheet: MCA1810

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

Product Details

RRID AB_322862

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

(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 (NaN₃)

Immunogen Recombinant human CD23.

External Database Links

UniProt:

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

Entrez Gene:

Synonyms	CD23A, CLEC4J, FCE2, IGEBF
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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 CD23 antibody, clone 1B12 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>
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Histology Positive Control Tissue	Tonsil
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References	<ol style="list-style-type: none">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. Histopathology. 36: 145-50.2. Steiniger, B. <i>et al.</i> (2011) The follicular dendritic cell network in secondary follicles of human palatine tonsils and spleens. Histochem Cell Biol. 135: 327-36.3. Yoshida, S. <i>et al.</i> (2005) Primary breast diffuse large B-cell lymphoma shows a non-germinal center B-cell phenotype. Mod Pathol. 18: 398-405.4. 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. Pathol Int. 57: 101-7.
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Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>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.</p>
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Guarantee	Guaranteed until date of expiry. Please see product label.
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Health And Safety Information	Material Safety Datasheet documentation #10055 available at: 10055: https://www.bio-rad-antibodies.com/uploads/MSDS/10055.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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