

## Datasheet: MCA2123

**BATCH NUMBER 171464**

<b>Description:</b>	MOUSE ANTI HUMAN CD84
<b>Specificity:</b>	CD84
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	CD84.1.21
<b>Isotype:</b>	IgG2a
<b>Quantity:</b>	0.2 mg

## 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	▪			1/25 - 1/100
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation	▪			
Western Blotting			▪	

Where this product 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 product for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% sodium azide (NaN <sub>3</sub> )
<b>Carrier Free</b>	Yes

<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Immunogen</b>	Mouse pre-B cell line 300.19 transfected with CD84 cDNA.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q9UIB8</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">8832</a>    CD84    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	SLAMF5
<b>RRID</b>	AB_324419
<b>Fusion Partners</b>	Spleen cells from immunized BALB/c mice were fused with cells of the mouse NS-1 myeloma cell line.
<b>Specificity</b>	<p><b>Mouse anti Human CD84 antibody, clone CD84.1.21</b> recognizes human SLAM family member 5, also known as CD84, Cell surface antigen MAX.3, Hly9-beta or Signaling lymphocytic activation molecule 5. CD84 is a highly glycosylated cell surface antigen of ~64-82 kDa, predominantly expressed by B lymphocytes, monocytes and macrophages, although lower levels of expression have also been reported on T cells, granulocytes and platelets.</p> <p>Mouse anti Human CD84 antibody, clone CD84.1.21 has been shown to partially block CD84 homophilic binding (<a href="#">Moore et al. 2001</a>).</p>
<b>Flow Cytometry</b>	Use 10µl of the suggested working dilution to label 10 <sup>6</sup> cells or 100µl whole blood
<b>References</b>	<ol style="list-style-type: none"> <li>Sayós J <i>et al.</i> (2001) Cell surface receptors Ly-9 and CD84 recruit the X-linked lymphoproliferative disease gene product SAP. <a href="#">Blood. 97 (12): 3867-74.</a></li> <li>Romero, X. <i>et al.</i> (2005) CD229 (Ly9) lymphocyte cell surface receptor interacts homophilically through its N-terminal domain and relocalizes to the immunological synapse. <a href="#">J Immunol. 174 (11): 7033-42.</a></li> <li>Mihalache, C.C. <i>et al.</i> (2011) Inflammation-associated autophagy-related programmed necrotic death of human neutrophils characterized by organelle fusion events. <a href="#">J Immunol. 186: 6532-42.</a></li> <li>Wang, X. <i>et al.</i> (2016) Neutrophil Necroptosis Is Triggered by Ligation of Adhesion Molecules following GM-CSF Priming. <a href="#">J Immunol. 197 (10): 4090-100.</a></li> </ol>
<b>Storage</b>	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>

<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA2123">https://www.bio-rad-antibodies.com/SDS/MCA2123</a>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	<a href="#">RPE</a>
Goat Anti Mouse IgG IgA IgM (STAR87...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (STAR70...)	<a href="#">FITC</a>
Rabbit Anti Mouse IgG (STAR13...)	<a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR9...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (STAR77...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (STAR76...)	<a href="#">RPE</a>
Goat Anti Mouse IgG (Fc) (STAR120...)	<a href="#">FITC</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®550</a> , <a href="#">DyLight®650</a> , <a href="#">DyLight®680</a> , <a href="#">DyLight®800</a> , <a href="#">FITC</a> , <a href="#">HRP</a>

### Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL \(MCA929\)](#)

**Product inquiries:** [www.bio-rad-antibodies.com/technical-support](http://www.bio-rad-antibodies.com/technical-support)

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](http://bio-rad-antibodies.com/datasheets)  
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