

Datasheet: MCA2123B

Description:	MOUSE ANTI HUMAN CD84:Biotin
Specificity:	CD84
Format:	Biotin
Product Type:	Monoclonal Antibody
Clone:	CD84.1.21
Isotype:	IgG1
Quantity:	0.1 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.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			Neat - 1/10
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
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. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified IgG conjugated to Biotin - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative	0.09% Sodium Azide
Stabilisers	1% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 0.1 mg/ml
Immunogen	Mouse pre-B cell line 300.19 transfected with CD84 cDNA.
External Database Links	<p>UniProt:</p> <p>Q9UIB8 Related reagents</p> <p>Entrez Gene:</p>

Synonyms	SLAMF5
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Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the mouse NS-1 myeloma cell line.
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Specificity	<p>Mouse anti Human CD84 antibody, clone CD84.1.21 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 (Moore et al. 2001).</p>
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Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells or 100ul whole blood.
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References	<ol style="list-style-type: none">1. Martin, M. <i>et al.</i> (2001) CD84 functions as a homophilic adhesion molecule and enhances IFN-gamma secretion: adhesion is mediated by Ig-like domain 1. J Immunol. 167 (7): 3668-76.2. Sayós J <i>et al.</i> (2001) Cell surface receptors Ly-9 and CD84 recruit the X-linked lymphoproliferative disease gene product SAP. Blood. 97 (12): 3867-74.3. Mihalache, C.C. <i>et al.</i> (2011) Inflammation-associated autophagy-related programmed necrotic death of human neutrophils characterized by organelle fusion events. J Immunol. 186: 6532-42.4. Wang, X. <i>et al.</i> (2016) Neutrophil Necroptosis Is Triggered by Ligation of Adhesion Molecules following GM-CSF Priming. J Immunol. 197 (10): 4090-100.
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Storage	<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>
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Shelf Life	18 months from date of despatch.
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Health And Safety Information	Material Safety Datasheet documentation #10041 available at: 10041: https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf
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Regulatory	For research purposes only
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Related Products

Recommended Useful Reagents

[HUMAN SEROBLOCK \(BUF070A\)](#)
[HUMAN SEROBLOCK \(BUF070B\)](#)

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