

Datasheet: MCA2123F

BATCH NUMBER 148188

Description:	MOUSE ANTI HUMAN CD84:FITC
Specificity:	CD84
Format:	FITC
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

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 Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	FITC	490	525
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

UniProt:

[Q9UIB8](#)

[Related reagents](#)

Entrez Gene:

[8832](#)

CD84

[Related reagents](#)

Synonyms

SLAMF5

RRID

AB_324182

Fusion Partners

Spleen cells from immunised BALB/c mice were fused with cells of the mouse NS-1 myeloma cell line.

Specificity

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.

Mouse anti Human CD84 antibody, clone CD84.1.21 has been shown to partially block CD84 homophilic binding ([Moore et al. 2001](#)).

Flow Cytometry

Use 10ul of the suggested working dilution to label 10^6 cells or 100ul whole blood.

References

1. Romero, X. *et al.* (2005) CD229 (Ly9) lymphocyte cell surface receptor interacts homophilically through its N-terminal domain and relocalizes to the immunological synapse. [J Immunol. 174 \(11\): 7033-42.](#)
2. Sayós J *et al.* (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. *et al.* (2011) Inflammation-associated autophagy-related programmed necrotic death of human neutrophils characterized by organelle fusion events. [J Immunol. 186: 6532-42.](#)
4. Wang, X. *et al.* (2016) Neutrophil Necroptosis Is Triggered by Ligation of Adhesion Molecules following GM-CSF Priming. [J Immunol. 197 \(10\): 4090-100.](#)

Storage

Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.

Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10041 available at:
<https://www.bio-rad-antibodies.com/SDS/MCA2123F>
10041

Regulatory For research purposes only

Related Products

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:FITC \(MCA928F\)](#)

Recommended Useful Reagents

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

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

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