

Datasheet: MCA6114F

Description:	MOUSE ANTI HUMAN CD107b:FITC
Specificity:	CD107b
Other names:	LAMP-2
Format:	FITC
Product Type:	Monoclonal Antibody
Clone:	H4B4
Isotype:	IgG1
Quantity:	100 TESTS/400µl

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 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.

Target Species	Human		
Species Cross Reactivity	Does not react with: Mouse, Rat		
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 A from tissue culture supernatant		
Buffer Solution	Phosphate buffered saline		
Preservative	0.02% Sodium Azide (NaN ₃)		
Stabilisers	0.2% Bovine Serum Albumin		

Immunogen Human PBMCs

External Database

Links

UniProt:

[P13473](#) [Related reagents](#)

Entrez Gene:

[3920](#) LAMP2 [Related reagents](#)

Specificity

Mouse anti Human CD107b, clone H4B4 recognizes [CD107b](#). CD107b (also known as LAMP-2) is a major component in lysosomal membranes. It is composed of a polypeptide core of approximately 45 kDa but normally migrates between 100-120 kDa due to high levels of glycosylation ([Fukuda, M. et al, 1988](#)).

Clone H4B4 has been reported to suitable for use in Transmission Electron Microscopy ([Mane, S. et al, 1988](#)).

Flow Cytometry

Use 4ul of the undiluted reagent to label 1×10^6 cells in 100ul

Storage

Store at +4°C. DO NOT FREEZE.

This product should be stored undiluted. This product is photosensitive and should be protected from light.

Guarantee

Guaranteed for 12 months from the date of despatch or until the date of expiry, whichever comes first. Please see label for expiry date.

Health And Safety Information

Material Safety Datasheet documentation #10041 available at:
10041: <https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf>

Regulatory

For research purposes only

Related Products

Recommended Negative Controls

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

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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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