

Datasheet: MCA2881Z

Description:	MOUSE ANTI HUMAN CD107a:Preservative Free
Specificity:	CD107a
Other names:	LAMP-1
Format:	Preservative Free
Product Type:	Monoclonal Antibody
Clone:	B-T47
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	▪			10ug/ml
Immunohistology - Frozen			▪	
Immunohistology - Paraffin	▪			
Immunofluorescence	▪			

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
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A and 0.2 µm filter sterilized
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Human U937 caucasian hystiocytic lymphoma cell line.
External Database Links	UniProt: P11279 Related reagents

Entrez Gene:[3916](#) LAMP1 [Related reagents](#)

RRID AB_2134607

Specificity **Mouse anti Human CD107a antibody, clone B-T47** specifically recognizes human CD107a, otherwise known as LAMP-1 (lysosome-associated membrane protein-1), a 100-120 kDa type I integral lysosomal membrane glycoprotein and member of the LAMP family, which transfers between lysosomes, phagosomes and the plasma membrane, and may play a role in lysosomal membrane protection and in lectin-mediated cell adhesion.

Enhanced CD107a expression may be linked with the metastatic potential of some tumour cells, and with neurones and glial cells surrounding plaques in Alzheimer's patients. CD107a may also serve as a marker of mast cell activation.

Flow Cytometry Use 10ul of the suggested working dilution to label 1×10^6 cells in 100ul.

References

1. Jenkinson, C. *et al.* (2010) Characterization of p-phenylenediamine-albumin binding sites and T-cell responses to hapten-modified protein. [J Invest Dermatol. 130 \(3\): 732-42.](#)
2. Hipp, M.M. *et al.* (2015) The Processed Amino-Terminal Fragment of Human TLR7 Acts as a Chaperone To Direct Human TLR7 into Endosomes. [J Immunol. 194 \(11\): 5417-25.](#)

Storage Store at +4°C. DO NOT FREEZE.
This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee Guaranteed until date of expiry. Please see product label.

Health And Safety Information Material Safety Datasheet documentation #10162 available at:
10162: <https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf>

Regulatory For research purposes only

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](#)
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight@488](#), [DyLight@680](#),
[DyLight@800](#), [FITC](#), [HRP](#)
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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