

## ARG21098 anti-CD107a / LAMP1 antibody [1D4B] (APC)

Package: 50 µg  
Store at: 4°C

### Summary

Product Description	APC-conjugated Rat Monoclonal antibody [1D4B] recognizes CD107a / LAMP1
Tested Reactivity	Ms
Tested Application	ELISA, EM, FACS, ICC/IF, IHC-Fr, IHC-P, Puri, WB
Specificity	Mouse CD107a.
Host	Rat
Clonality	Monoclonal
Clone	1D4B
Isotype	IgG2a, kappa
Target Name	CD107a / LAMP1
Species	Mouse
Immunogen	Plasma membrane fraction of mouse embryo NIH/3T3 cell line
Conjugation	APC
Alternate Names	LGP120; CD107a; LAMPA; CD antigen CD107a; Lysosome-associated membrane glycoprotein 1; CD107 antigen-like family member A; LAMP-1; Lysosome-associated membrane protein 1

### Application Instructions

Application table	Application	Dilution
	ELISA	Assay-dependent
	EM	Assay-dependent
	FACS	< 0.2 µg/10 <sup>6</sup> cells
	ICC/IF	Assay-dependent
	IHC-Fr	Assay-dependent
	IHC-P	Assay-dependent
	Puri	Assay-dependent
	WB	Assay-dependent
	Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

### Properties

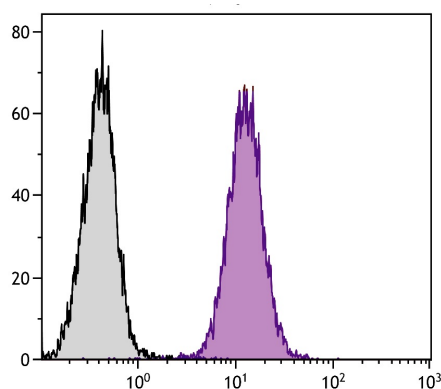
Form	Liquid
Buffer	PBS, 0.1% Sodium azide and Sucrose.

Preservative	0.1% Sodium azide
Stabilizer	Sucrose
Concentration	0.1 mg/ml
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Database links	<a href="#">GeneID: 16783 Mouse</a> <a href="#">Swiss-port # P11438 Mouse</a>
Gene Symbol	LAMP1
Gene Full Name	lysosomal-associated membrane protein 1
Background	The protein encoded by this gene is a member of a family of membrane glycoproteins. This glycoprotein provides selectins with carbohydrate ligands. It may also play a role in tumor cell metastasis. [provided by RefSeq, Jul 2008]
Function	Presents carbohydrate ligands to selectins. Also implicated in tumor cell metastasis. [UniProt]
Research Area	Cancer antibody; Cell Death antibody; Controls and Markers antibody; Developmental Biology antibody; Metabolism antibody; Neuroscience antibody; Signaling Transduction antibody; Lysosome Marker antibody
Calculated Mw	45 kDa
PTM	O- and N-glycosylated; some of the 18 N-linked glycans are polylactosaminoglycans. The glycosylation of N-76 is essential for Lassa virus entry into cells.

## Images



ARG21098 anti-CD107a / LAMP1 antibody [1D4B] (APC) FACS image

Flow Cytometry: Mouse M phi cell stained with ARG21098 anti-CD107a / LAMP1 antibody [1D4B] (APC).