

ARG22180
anti-CD107a / LAMP1 antibody [H4A3] (FITC)

Package: 50 tests

Store at: 4°C

Summary

Product Description	FITC-conjugated Mouse Monoclonal antibody [H4A3] recognizes CD107a / LAMP1
Tested Reactivity	Hu, AGMK, Macaq, R. Mk
Tested Application	EM, FACS, ICC/IF, IHC-Fr, IHC-P, WB
Specificity	Human/Rhesus/African Green Monkey/Pigtail Macaque/Sooty Mangabey CD107a
Host	Mouse
Clonality	Monoclonal
Clone	H4A3
Isotype	IgG1, kappa
Target Name	CD107a / LAMP1
Species	Human
Immunogen	Human adherent peripheral blood cells
Conjugation	FITC
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
	EM	Assay-dependent
	FACS	10 µl/10 ⁶ cells
	ICC/IF	1:50
	IHC-Fr	Assay-dependent
	IHC-P	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 and 0.1% Sodium azide.
Preservative	0.1% Sodium azide
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.

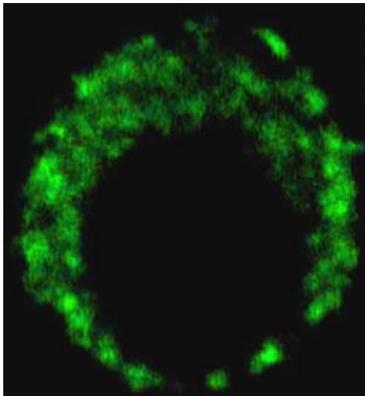
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

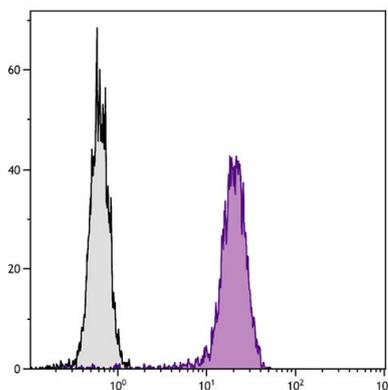
Database links	GeneID: 3916 Human Swiss-port # P11279 Human
Gene Symbol	LAMP1
Gene Full Name	lysosomal-associated membrane protein 1
Background	The protein encoded by this gene is a member of a family of membrane glycoproteins. This glycoprotein provides selectins with carbohydrate ligands. It may also 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



ARG22180 anti-CD107a / LAMP1 antibody [H4A3] (FITC) ICC/IF image

Immunofluorescence: Human myeloid dendritic cells fixed with 4% paraformaldehyde for 15 min, permeabilized with PBS containing 100 µg/ml of digitonin and 1% BSA for 30 min. Cells were stained with ARG22180 anti-CD107a / LAMP1 antibody [H4A3] (FITC) at 1:50 dilution.



ARG22180 anti-CD107a / LAMP1 antibody [H4A3] (FITC) FACS image

Flow Cytometry: Human T cell leukemia cell line Jurkat was intracellularly stained with ARG22180 anti-CD107a / LAMP1 antibody [H4A3] (FITC).