



# Rabbit Anti-Human LAMP1 monoclonal antibody, clone KK1051 (CABT-L857)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Target</b>	LAMP1
<b>Immunogen</b>	Recombinant protein
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Clone</b>	KK1051
<b>Purification</b>	Protein A purified.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, IHC
<b>Molecular Weight</b>	120 kDa
<b>Cellular Localization</b>	Cell membrane, Endosome membrane, Lysosome membrane, Late endosome.
<b>Positive Control</b>	Jurkat, Hela, human kidney tissue.
<b>Format</b>	Liquid
<b>Size</b>	100 µl
<b>Buffer</b>	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
<b>Preservative</b>	0.05% Sodium Azide

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<b>Storage</b>	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
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## BACKGROUND

<b>Introduction</b>	Lysosome-associated membrane proteins (LAMP) are glycosylated type I membrane proteins that play a role in the biogenesis of the pigment melanin. LAMP-1 (also designated CD107a) and LAMP-2 (also designated CD107b) are involved in a variety of functions, including cellular adhesion, and are thought to participate in the process of tumor invasion and metastasis. Newly synthesized LAMP-1 and LAMP-2 proteins are sorted at the trans-Golgi network and are transported intracellularly via a pathway that is distinct from the Clathrin-coated vesicles used for the mannose-6 phosphate receptor. LAMP-1 is expressed on the surface of Thrombin-activated but not resting platelets, and it is thought to be involved in the adhesive, prothrombic properties of these cells. Both LAMP-1 and LAMP-2 are involved in maintaining lysosome acidity and protecting the lysosomal membranes from autodigestion, and their expression is increased in patients with lysosomal storage disorders.
<b>Keywords</b>	CD107 antigen like family member A;CD107 antigen-like family member A;CD107a;CD107a antigen;LAMP 1;LAMP-1;LAMP1;LAMP1_HUMAN;LAMPA;LGP120;IgpA;Lysosomal membrane glycoprotein 120KD;Lysosomal Associated Membrane Protein 1;Lysosome associated membrane glycoprotein 1;Lysosome-associated membrane glycoprotein 1;Lysosome-associated membrane protein 1;OTTHUMP00000040663 antibody

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## GENE INFORMATION

Entrez Gene ID	<a href="#">3916</a>
UniProt ID	<a href="#">A0A024RDY3</a>

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