

Mouse anti-Human LAMP2 Monoclonal Antibody | anti-LAMP2 antibody

Anti-LAMP2 Antibody, Mouse Monoclonal

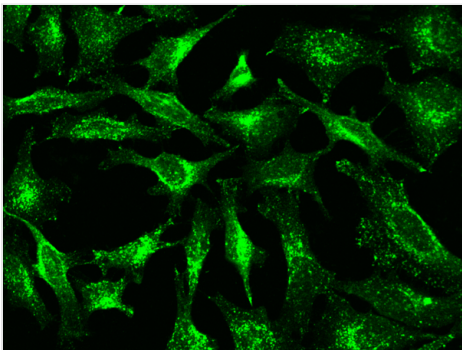
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255686	Mouse	Human	Immunofluorescence, Immunocytochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

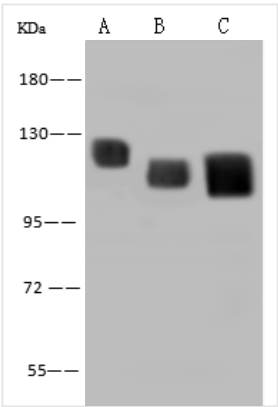
LAMP2; Monoclonal Antibody; Anti-LAMP2 Antibody; Mouse Monoclonal; LAMP2/CD107b Antibody; Mouse MAb; lysosomal-associated membrane protein 2; Anti-CD107b Antibody; Anti-LAMP-2 Antibody; Anti-LAMPB Antibody; Anti-LGP110 Antibody; anti-LAMP2 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Number	02
Specificity	Human LAMP2/CD107b
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-LAMP2 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), ELISA, WB (Western Blot)
Immunogen	Recombinant Human LAMP2/CD107b Protein
Conjugation	Unconjugated
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human LAMP2/CD107b (rh LAMP2/CD107b). The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



IF (Immunofluorescence)
Immunofluorescence staining of LAMP2 in HeLa cells. Cells were fixed with 4% PFA, permeabilized with 0.1% Triton X-100 in PBS, blocked with 10% serum, and incubated with mouse anti-human LAMP2 monoclonal antibody (dilution ratio 1:60) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-mouse IgG secondary antibody (green). Positive staining was localized to Cytoplasm.



WB (Western Blot)
Anti-LAMP2 mouse monoclonal antibody at 1:500 dilution Lane A: HepG2 Whole Cell Lysate Lane B: Jurkat Whole Cell Lysate Lane C: HeLa Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Mouse IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 45 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-LAMP2 antibody	LAMP2 (Lysosomal Associated Membrane Protein 2) is a Protein Coding gene. LAMP2, also known as CD107b (Cluster of Differentiation 107b), is a member of a family of membrane glycoproteins. This glycoprotein provides selectins with carbohydrate ligands. It may play a role in tumor cell metastasis. It may also function in the protection, maintenance, and adhesion of the lysosome. In humans, LAMP2, the causative gene of Danon disease, located on chromosome Xq24, encodes the lysosome-associated membrane protein-2 (LAMP-2). LAMP-2 deficiency, or Danon disease, is a rare X-linked lysosomal disease characterized by cardiomyopathy, vacuolar myopathy, and mental retardation. LAMP2 cardiomyopathy is an X-linked and highly progressive myocardial storage disorder associated with diminished survival, which clinically resembles sarcomeric hypertrophic cardiomyopathy.
References	Maron BJ, et al. (2010) Profound left ventricular remodeling associated with LAMP2 cardiomyopathy. Am J Cardiol. 106(8): 1194-6. Di Blasi C, et al. (2008) Danon disease: a novel LAMP2 mutation affecting the pre-mRNA splicing and causing aberrant transcripts and partial protein expression. Neuromuscul Disord. 18(12): 962-6. Echaniz-Laguna A, et al. (2006) Novel Lamp-2 gene mutation and successful treatment with heart transplantation in a large family with Danon disease. Muscle Nerve. 33(3): 393-7.

NCBI AND UNIPROT INFORMATION

NCBI GI #	7669503
NCBI GeneID	3920
NCBI Accession #	NP_054701.1
NCBI GenBank Nucleotide #	NM_013995.2
UniProt Accession #	P13473; Q16641; Q6Q3G8; Q96J30; Q99534; Q9UD93; A8K4X5; D3DTF0
Molecular Weight	45,170 Da
NCBI Official Full Name	lysosome-associated membrane glycoprotein 2 isoform B
NCBI Official Synonym Full Names	lysosomal-associated membrane protein 2
NCBI Official Symbol	LAMP2
NCBI Official Synonym Symbols	LAMPB; CD107b; LAMP-2; LGP110
NCBI Protein Information	lysosome-associated membrane glycoprotein 2; CD107 antigen-like family member B
UniProt Protein Name	Lysosome-associated membrane glycoprotein 2
UniProt Gene Name	LAMP2

UniProt Synonym Gene Names	LAMP-2; Lysosome-associated membrane protein 2
UniProt Entry Name	LAMP2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/lamp2-antibody-clone-02-immunofluorescence-immunocytochemistry-western-blot-elisa/255686>