

LAMP1 Mouse mAb LAMP1 Mouse mAb **Catalog # AP94813**

Specification

Application

LAMP1 Mouse mAb - Product Information

Host Clonality

Calculated MW **Physical State** Immunogen **Epitope Specificity**

Isotype **Purity**

affinity purified by Protein A

WB, IHC-P, IHC-F, IF, ICC

Monoclonal 45 KDa

Lyophilized or Liquid

Recombinant human LAMP1 protein

29-382/417

IgG

Buffer

SIMILARITY

SUBCELLULAR LOCATION

0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol. Cell membrane; Single-pass type I

membrane protein. Endosome membrane; Single-pass type I membrane protein.

Lysosome membrane; Single-pass type I membrane protein. Note=This protein shuttles between lysosomes, endosomes,

and the plasma membrane.

Belongs to the LAMP family.

O- and N-glycosylated; some of the 18

N-linked alvcans are polylactosaminoglycans.

This product as supplied is intended for Important Note research use only, not for use in human,

therapeutic or diagnostic applications.

Background Descriptions

Post-translational modifications

Lysosome associated membrane protein (LAMP1), also known as lgp120 or lgpA, is a type 1 integral membrane protein that is transported from trans Golgi networks to endosomes and then lysosomes. Upon cell activation, LAMP1 transfer to the plasma membrane is dependent on a carboxyl terminal tyrosine based motif (YXXI). Perturbation in the spacing between the tyrosine based motif relative to the membrane abolishes lysosome localization of LAMP1. This mutant protein then cycles between the plasma membrane and the endosome. Cell surface LAMP1 and LAMP2 have been shown to promote adhesion of human peripheral blood mononuclear cells (PBMC) to vascular endothelium, therefore they are possibly involved in the adhesion of PBMCs to the site of inflammation.

LAMP1 Mouse mAb - Additional Information

Dilution

WB~~1:1000<br \><span class</pre> ="dilution IHC-P">IHC-P~~N/A<br \><span class



="dilution_IHC-F">IHC-F~~N/A
span class ="dilution_IF">IF~~1:50~200
span class ="dilution_ICC">ICC~~N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 $^{\circ}$ C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 $^{\circ}$ C.

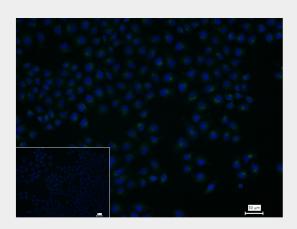
LAMP1 Mouse mAb - Protein Information

LAMP1 Mouse mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

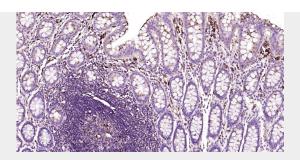
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

LAMP1 Mouse mAb - Images

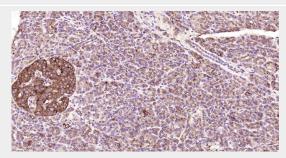


4% Paraformaldehyde-fixed Hela (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (LAMP1) monoclonal Antibody, unconjugated (AP94813) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Mouse IgG antibody (green, bs-60296G-FITC) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.

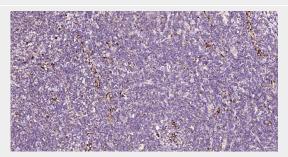




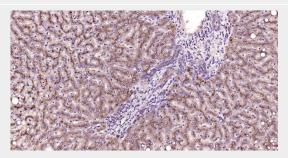
Paraformaldehyde-fixed, paraffin embedded Human Colon; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with LAMP1 Monoclonal Antibody, Unconjugated(AP94813) at 1:200 overnight at 4°C, followed by conjugation to the bs-40296G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Pancreas; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with LAMP1 Monoclonal Antibody, Unconjugated(AP94813) at 1:200 overnight at 4°C, followed by conjugation to the bs-40296G-HRP and DAB (C-0010) staining.

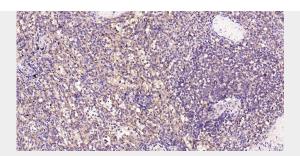


Paraformaldehyde-fixed, paraffin embedded Human Tonsil; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with LAMP1 Monoclonal Antibody, Unconjugated(AP94813) at 1:200 overnight at 4°C, followed by conjugation to the bs-40296G-HRP and DAB (C-0010) staining.

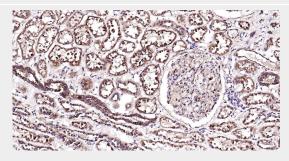


Paraformaldehyde-fixed, paraffin embedded Human Liver; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with LAMP1 Monoclonal Antibody, Unconjugated(AP94813) at 1:200 overnight at 4°C, followed by conjugation to the bs-40296G-HRP and DAB (C-0010) staining.





Paraformaldehyde-fixed, paraffin embedded Human Spleen; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with LAMP1 Monoclonal Antibody, Unconjugated(AP94813) at 1:200 overnight at 4°C, followed by conjugation to the bs-40296G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with LAMP1 Monoclonal Antibody, Unconjugated(AP94813) at 1:200 overnight at 4°C, followed by conjugation to the bs-40296G-HRP and DAB (C-0010) staining.

LAMP1 Mouse mAb - Background

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