LAMP1/CD107a Rabbit mAb

Catalog No.: A23947 Recombinant 2 Publications



Basic Information

Observed MW

90-120kDa (glycosylated)

Calculated MW

43kDa

Category

Primary antibody

Applications

WB,IF/ICC,FC,ELISA

Cross-Reactivity

Mouse

CloneNo number

ARC61633

Background

Enables protein domain specific binding activity. Involved in protein stabilization. Located in several cellular components, including cytoplasmic vesicle; sarcolemma; and vacuole. Is expressed in several structures, including 1-cell stage embryo; central nervous system; craniocervical region bone; extraembryonic component; and gut. Orthologous to human LAMP1 (lysosomal associated membrane protein 1).

Recommended Dilutions

WB 1:2000 - 1:10000

IF/ICC 1:50 - 1:200

FC 1:500 - 1:1000

ELISA Recommended starting

concentration is 1 µg/mL.

Please optimize the
concentration based on
your specific assay
requirements.

Immunogen Information

Gene IDSwiss Prot
16783
P11438

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

P2B; Perk; LGP-A; CD107a; Lamp-1; LGP-120; LAMP1/CD107a

Contact

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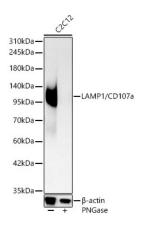
Product Information

SourceIsotypePurificationRabbitIgGAffinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.



Western blot analysis of lysates from C2C12 cells, using LAMP1/CD107a Rabbit mAb (A23947) at 1:5000 dilution. C2C12 cells were treated with PNGase F(1µL for 3h) at 37°C.

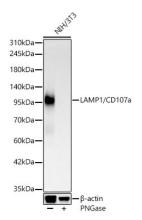
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 15s.



Western blot analysis of lysates from NIH/3T3 cells, using LAMP1/CD107a Rabbit mAb (A23947) at 1:5000 dilution. NIH/3T3 cells were treated with PNGase $F(1\mu L \text{ for 3h})$ at 37°C.

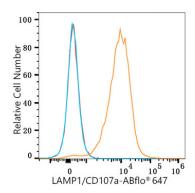
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

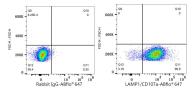
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

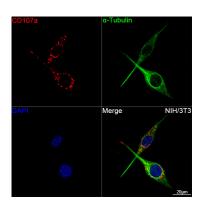
Exposure time: 15s.



Flow cytometry: 1×10^6 RAW264.7 cells were surface-stained with LAMP1/CD107a Rabbit mAb (A23947.2 μ g/mL,orange line) or ABflo® 647 Rabbit IgG isotype control (A22070.5 μ l/Test,blue line), followed by Alexa Fluor® 647 conjugated goat antirabbit pAb staining. Non-fluorescently stained RAW264.7 cells were used as blank control (red line).



Flow cytometry: $1X10^6$ RAW264.7 cells were surface-stained with ABflo® 647 Rabbit IgG isotype control (A22070,5 μ I/Test,left) or LAMP1/CD107a Rabbit mAb (A23947,2 μ g/mL,right).



Confocal imaging of NIH/3T3 cells using LAMP1/CD107a Rabbit mAb (A23947,dilution 1:200)(Red). The cells were counterstained with α -Tubulin Mouse mAb (AC012,dilution 1:400) (Green). DAPI was used for nuclear staining (blue). Objective: 100x.