

LAMP1/CD107a Rabbit mAb

Catalog No.: A23947 **Recombinant**

Basic Information

Observed MW

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 - 1:6000

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 ID

16783

Swiss Prot

P11438

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 208-363 of mouse LAMP1/CD107a[NP_034814.2].

Synonyms

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

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

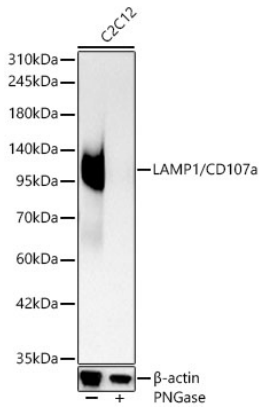
Affinity purification

Storage

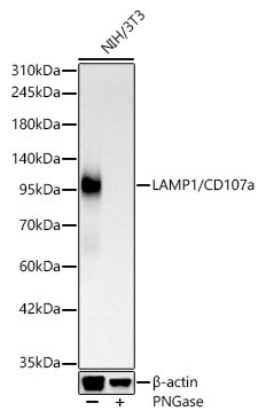
Store at -20°C. Avoid freeze / thaw cycles.

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

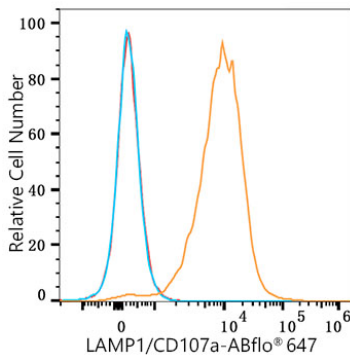
Validation Data



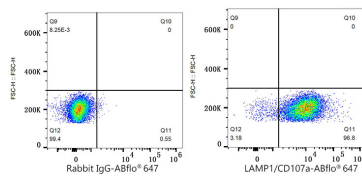
Western blot analysis of lysates from C2C12 cells, using LAMP1/CD107a Rabbit mAb (A23947) at 1:5000 dilution. C2C12 cells were treated with PNGase F (1 μ L for 3h) at 37°C.
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
 Lysates/proteins: 25 μ g per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Exposure time: 15s.



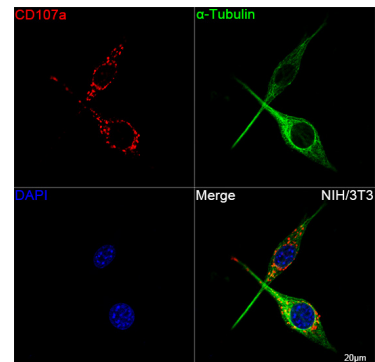
Western blot analysis of lysates from NIH/3T3 cells, using LAMP1/CD107a Rabbit mAb (A23947) at 1:5000 dilution. NIH/3T3 cells were treated with PNGase F (1 μ L for 3h) at 37°C.
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
 Lysates/proteins: 25 μ g per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Exposure time: 15s.



Flow cytometry: 1X10⁶ 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 anti-rabbit pAb staining. Non-fluorescently stained RAW264.7 cells were used as blank control (red line).



Flow cytometry: 1X10⁶ RAW264.7 cells were surface-stained with ABflo® 647 Rabbit IgG isotype control (A22070, 5 μ l/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.