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LAMP1/CD107a Rabbit mAb

Catalog No.: A23947 Recombinant

Basic Information

Observed MW

Calculated MW
43kDa

Category
Primary antibody

Applications
ELISA,WB,IF/ICC,FC

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

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

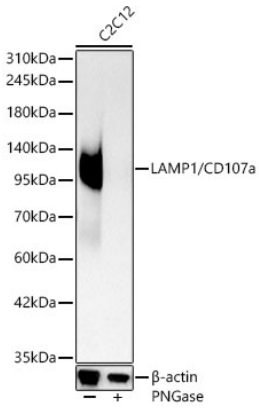
Source
Rabbit

Isotype
IgG

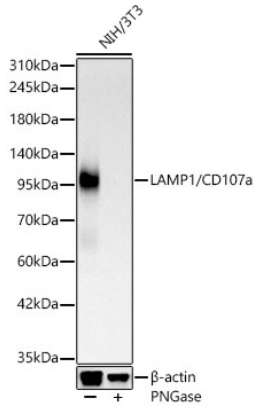
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

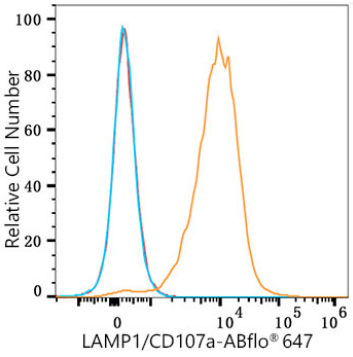
Validation Data



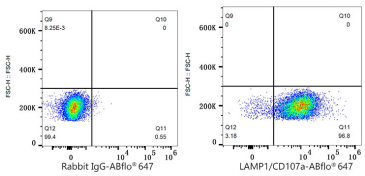
Western blot analysis of lysates from C2C12 cells, using LAMP1/CD107a Rabbit mAb (A23947) at 1:5000 dilution.C2C12 cells were treated with PNGase F(1μL for 3h) at 37℃.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3%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



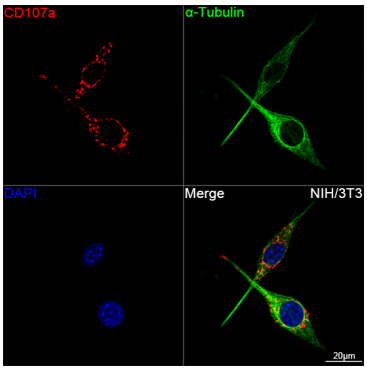
Western blot analysis of lysates from NIH/3T3 cells, using LAMP1/CD107a Rabbit mAb (A23947) at 1:5000 dilution.NIH/3T3 cells were treated with PNGase F(1μL for 3h) at 37℃.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: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



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