

ABflo® 488 Rabbit anti-Mouse LAMP1/CD107a mAb

Catalog No.: A24362

Basic Information

Observed MW

Calculated MW

43kDa

Category

Primary antibody

Applications

IF/ICC,FC

Cross-Reactivity

Mouse

CloneNo number

ARC61633

Conjugate

ABflo® 488. Ex:491nm. Em:516nm.

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

IF/ICC 1:50 - 1:200

FC 5 µl per 10⁶ cells in
100 µl volume

Immunogen Information

Gene ID

16783

Swiss Prot

P11438

Immunogen

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

Synonyms

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

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

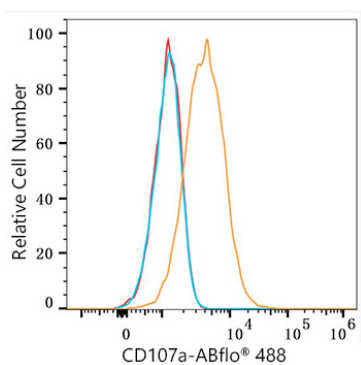
Affinity purification

Storage

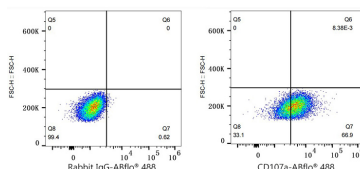
Store at 2-8°C. Avoid freeze.

Buffer: PBS containing 0.2% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

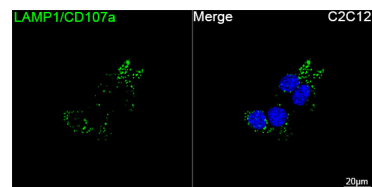
Validation Data



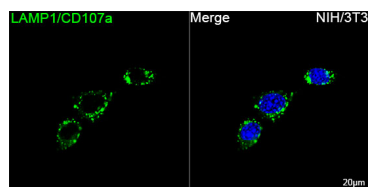
Flow cytometry: 1×10^6 Raw264.7 cells were surface-stained with ABflo® 488 Rabbit anti-Mouse LAMP1/CD107a mAb (A24362, 5 μ l/Test, orange line) or ABflo® 488 Rabbit IgG isotype control (A22069, 5 μ l/Test, blue line). Non-fluorescently stained Raw264.7 cells were used as blank control (red line).



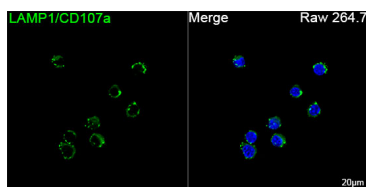
Flow cytometry: 1×10^6 Raw264.7 cells were surface-stained with ABflo® 488 Rabbit IgG isotype control (A22069, 5 μ l/Test, left) or ABflo® 488 Rabbit anti-Mouse LAMP1/CD107a mAb (A24362, 5 μ l/Test, right).



Confocal imaging of C2C12 cells using ABflo® 488 Rabbit anti-Mouse LAMP1/CD107a mAb (A24362, dilution 1:50). DAPI was used for nuclear staining (Blue). Objective: 100x.



Confocal imaging of NIH/3T3 cells using ABflo® 488 Rabbit anti-Mouse LAMP1/CD107a mAb (A24362, dilution 1:50). DAPI was used for nuclear staining (Blue). Objective: 100x.



Confocal imaging of RAW 264.7 cells using ABflo® 488 Rabbit anti-Mouse LAMP1/CD107a mAb (A24362, dilution 1:50). DAPI was used for nuclear staining (Blue). Objective: 100x.