

ABflo® 647 Rabbit anti-Mouse CD107b mAb

Catalog No.: A25931

Basic Information

Observed MW

Calculated MW

46kDa

Category

Primary antibody

Applications

FC

Cross-Reactivity

Mouse

CloneNo number

ARC63617-ABflo647

Conjugate

ABflo® 647. Ex:648nm. Em:664nm.

Recommended Dilutions

FC 5 µl per 10⁶ cells in
100 µl volume

Background

Enables protein domain specific binding activity. Involved in several processes, including autophagosome maturation; protein stabilization; and protein targeting to lysosome involved in chaperone-mediated autophagy. Acts upstream of or within muscle cell cellular homeostasis. Located in late endosome membrane; lysosomal membrane; and phagocytic vesicle membrane. Is integral component of autophagosome membrane. Is expressed in central nervous system; egg cylinder; lung; and retina. Used to study Danon disease. Human ortholog(s) of this gene implicated in Danon disease and hypertrophic cardiomyopathy. Orthologous to human LAMP2 (lysosomal associated membrane protein 2).

Immunogen Information

Gene ID

16784

Swiss Prot

P17047

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 26-189 of mouse CD107b (NP_001017959.1).

Synonyms

Mac3; LGP-B; CD107b; Lamp-2; Lamp II; Lamp-2a; Lamp-2b; Lamp-2c

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

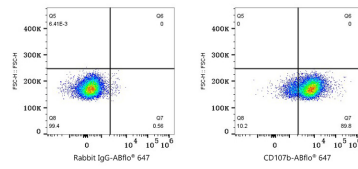
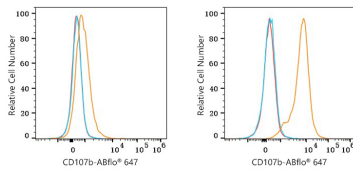
Affinity purification

Storage

Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.03% proclin300,0.2% BSA,pH7.3.

Validation Data



Flow cytometry: 1×10^6 NIH/3T3-CD107b-shRNA4 cells (negative control, left) and NIH/3T3-scramble cells (right) were surface-stained with ABflo® 647 Rabbit anti-Mouse CD107b mAb (A25931, 5 μ l/Test, orange line) or ABflo® 647 Rabbit IgG isotype control (A22070, 5 μ l/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).

Flow cytometry: 1×10^6 NIH/3T3-scramble cells were surface-stained with ABflo® 647 Rabbit IgG isotype control (A22070, 5 μ l/Test, left) or ABflo® 647 Rabbit anti-Mouse CD107b mAb (A25931, 5 μ l/Test, right).