

ABflo® 488 Rabbit anti-Mouse CD68 mAb

Catalog No.: A23738

Basic Information

Observed MW

Refer to figures

Calculated MW

34KDa

Category

Primary antibody

Applications

IF/ICC,FC

Cross-Reactivity

Mouse

CloneNo number

ARC60987-ABf488

Conjugate

ABflo® 488. Ex:491nm. Em:516nm.

Recommended Dilutions

IF/ICC 1:50 - 1:200

FC 5 µl per 10⁶ cells in
100 µl volume

Background

Involved in several processes, including cellular response to lipopolysaccharide; cellular response to oxidised low-density lipoprotein particle stimulus; and negative regulation of dendritic cell antigen processing and presentation. Acts upstream of or within aging and cellular response to organic substance. Located in lysosome and plasma membrane. Is expressed in several structures, including central nervous system; embryo mesenchyme; heart blood vessel; liver; and spleen. Orthologous to human CD68 (CD68 molecule).

Immunogen Information

Gene ID

12514

Swiss Prot

P31996

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 21-291 of mouse CD68 (NP_001277987.1).

Synonyms

Lamp4; gp110; Scard1

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

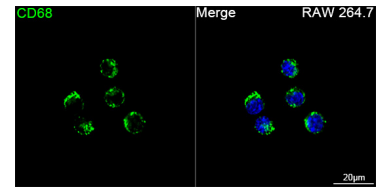
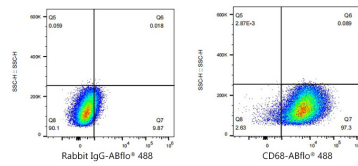
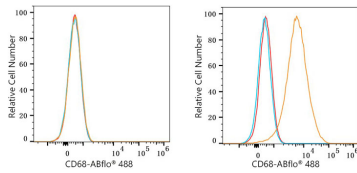
Affinity purification

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 cells (negative control, left) and Raw264.7 cells (right) were surface-stained with ABflo® 488 Rabbit anti-Mouse CD68 mAb (A23738, 5 µl/Test, orange line) or ABflo® 488 Rabbit IgG isotype control (A22069, 5 µl/Test, blue line). Non-fluorescently stained 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 µl/Test, left) or ABflo® 488 Rabbit anti-Mouse CD68 mAb (A23738, 5 µl/Test, right).

Confocal imaging of RAW 264.7 cells using ABflo® 488 Rabbit anti-Mouse CD68 mAb (A23738, dilution 1:25). DAPI was used for nuclear staining (Blue). Objective: 100x.