

# ABflo® 488 Rabbit anti-Mouse IgM mAb

Catalog No.: A23114

## Basic Information

### Observed MW

Refer to figures

### Calculated MW

50kDa

### Category

Primary antibody

### Applications

FC

### Cross-Reactivity

Mouse

### CloneNo number

ARC58894-ABf488

### Conjugate

ABflo® 488. Ex:491nm. Em:516nm.

## Recommended Dilutions

FC 5 µl per 10<sup>6</sup> cells in  
100 µl volume

## Contact

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## Background

Enables several functions, including antigen binding activity; identical protein binding activity; and immunoglobulin receptor binding activity. Acts upstream of or within several processes, including early endosome to late endosome transport; immunoglobulin mediated immune response; and positive regulation of B cell proliferation. Located in external side of plasma membrane; extracellular space; and perinuclear region of cytoplasm. Part of B cell receptor complex and immunoglobulin complex, circulating. Is expressed in several structures, including brain; hemolymphoid system; and liver. Used to study non-Hodgkin lymphoma and type 1 diabetes mellitus. Human ortholog(s) of this gene implicated in agammaglobulinemia. Orthologous to human IGHM (immunoglobulin heavy constant mu).

## Immunogen Information

### Gene ID

### Swiss Prot

P01872

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 105-454 of mouse IgM (P01872).

### Synonyms

Igm; muH; Igh6; Igh-6; Igh-M

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

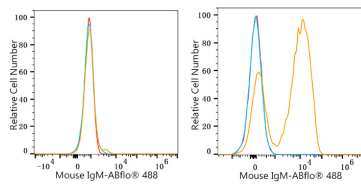
Affinity purification

### Storage

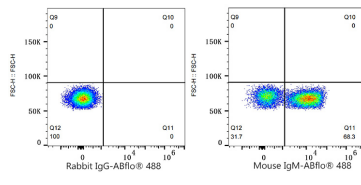
Store at 2-8°C. Avoid freeze.

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

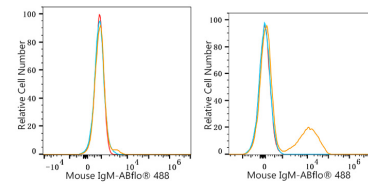
## Validation Data



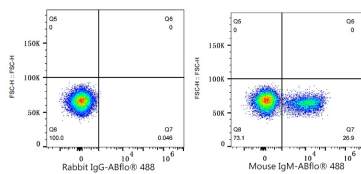
Flow cytometry:  $1 \times 10^6$  NIH/3T3 cells (negative control, left) and C57/BL6 splenocytes (right) were surface-stained with ABflo® 488 Rabbit anti-Mouse IgM mAb (A23114, 5  $\mu$ l/Test, orange line) or ABflo® 488 Rabbit IgG isotype control (A22069, 5  $\mu$ l/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry:  $1 \times 10^6$  C57/BL6 splenocytes were surface-stained with ABflo® 488 Rabbit IgG isotype control (A22069, 5  $\mu$ l/Test, left) or ABflo® 488 Rabbit anti-Mouse IgM mAb (A23114, 5  $\mu$ l/Test, right).



Flow cytometry:  $1 \times 10^6$  NIH/3T3 cells (negative control, left) and Mouse PBMC (right) were surface-stained with ABflo® 488 Rabbit anti-Mouse IgM mAb (A23114, 5  $\mu$ l/Test, orange line) or ABflo® 488 Rabbit IgG isotype control (A22069, 5  $\mu$ l/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry:  $1 \times 10^6$  Mouse PBMC were surface-stained with ABflo® 488 Rabbit IgG isotype control (A22069, 5  $\mu$ l/Test, left) or ABflo® 488 Rabbit anti-Mouse IgM mAb (A23114, 5  $\mu$ l/Test, right).