

# Biotin Rabbit anti-Mouse IgM mAb

Catalog No.: A27694

## Basic Information

### Observed MW

### Calculated MW

50kDa

### Category

Primary antibody

### Applications

FC

### Cross-Reactivity

Mouse

### CloneNo number

ARC58894

### Conjugate

Biotin

## Recommended Dilutions

FC ≤0.5 µg per million cells  
in 100 µl volume

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

### Synonyms

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

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

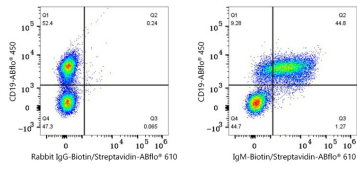
### Storage

Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.09% Sodium azide, 0.2% BSA, pH7.3.

## Validation Data

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Flow cytometry:  $1 \times 10^6$  C57BL/6 mouse splenocytes were surface-stained with ABflo® 450 Rabbit anti-Mouse CD19 mAb (A26192, 5  $\mu$ l/Test) and Biotin Rabbit IgG isotype control (A25626, 5  $\mu$ l/Test, left) or Biotin Rabbit anti-Mouse IgM mAb (A27694, 0.5  $\mu$ g, right), followed by ABflo® 610 Streptavidin staining.