

APC/Fire™ 750 anti-mouse IgM Antibody

Catalog# / Size	406537 / 25 µg 406538 / 100 µg
Clone	RMM-1
Regulatory Status	RUO
Other Names	Immunoglobulin M
Isotype	Rat IgG2a, κ
Description	IgM is the first immunoglobulin made by B cells in the immune response. Surface IgM is expressed on the majority of mature B cells.

Product Details

Verified Reactivity	Mouse
Antibody Type	Monoclonal
Host Species	Rat
Immunogen	Mouse Ig cocktail
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Preparation	The antibody was purified by affinity chromatography and conjugated with APC/Fire™ 750 under optimal conditions.
Concentration	0.2 mg/ml
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
Application	FC - Quality tested
Recommended Usage	<p>Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤ 1.0 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.</p> <p>* APC/Fire™ 750 has a maximum excitation of 650 nm and a maximum emission of 787 nm.</p>
Excitation Laser	Red Laser (633 nm)
Application Notes	The RMM-1 antibody reacts with both soluble and membrane immunoglobulin M in all tested mouse haplotypes (Igh-a and b). It does not react with other isotypes. Some formats of the RMM-1 antibody may be used as primary or secondary reagent for immunofluorescent staining or ELISA analysis.
Application References (PubMed link indicates BioLegend citation)	1. Tertilt C, <i>et al.</i> 2009. <i>Infect. Immun.</i> 77:3044. (ELISA) PubMed
RRID	AB_2814384 (BioLegend Cat. No. 406537) AB_2814385 (BioLegend Cat. No. 406538)

Antigen Details

Structure	Ig family
Distribution	B cells

Function	B cell differentiation, humoral immune response; cross-linking surface IgM induces apoptosis
Cell Type	B cells
Biology Area	Immunology
Gene ID	16019

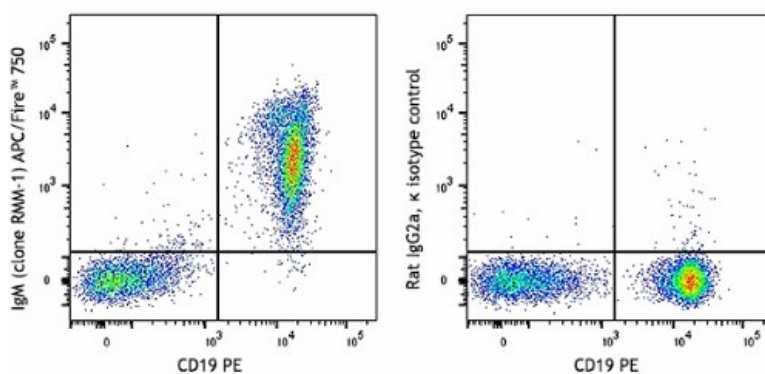
Related Protocols

[Cell Surface Flow Cytometry Staining Protocol](#)

Other Formats

Purified anti-mouse IgM, PE anti-mouse IgM, Biotin anti-mouse IgM, FITC anti-mouse IgM, APC anti-mouse IgM, PerCP/Cyanine5.5 anti-mouse IgM, APC/Cyanine7 anti-mouse IgM, Brilliant Violet 421™ anti-mouse IgM, PE/Cyanine7 anti-mouse IgM, Alexa Fluor® 488 anti-mouse IgM, Brilliant Violet 605™ anti-mouse IgM, Alexa Fluor® 647 anti-mouse IgM, Purified anti-mouse IgM (Maxpar® Ready), PE/Dazzle™ 594 anti-mouse IgM, Brilliant Violet 510™ anti-mouse IgM, TotalSeq™-A0450 anti-mouse IgM, Brilliant Violet 711™ anti-mouse IgM, APC/Fire™ 750 anti-mouse IgM, TotalSeq™-C0450 anti-mouse IgM, PE/Cyanine5 anti-mouse IgM, TotalSeq™-B0450 anti-mouse IgM, Spark Violet™ 423 anti-mouse IgM

Product Data



C57BL/6 splenocytes were stained with CD19 PE and anti-mouse IgM (clone RMM-1) APC/Fire™ 750 (left) or rat IgG2a, κ APC/Fire™ 750 isotype control (right).

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