

APC/Fire™ 750 anti-human IgM

Catalog # / Size: 2172730 / 100 tests
2172725 / 25 tests

Clone: MHM-88

Isotype: Mouse IgG1, κ

Immunogen: Human Ig cocktail

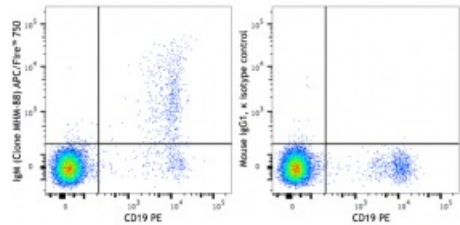
Reactivity: Human, Non-human primate, Other

Preparation: The antibody was purified by affinity chromatography and conjugated with APC/Fire™ 750 under optimal conditions.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

Workshop Number: VI B051

Concentration: Lot-specific



Human peripheral blood lymphocytes were cultured overnight and then stained with CD19 PE and anti-human IgM (clone MHM-88) APC/Fire™ 750 (left) or mouse IgG1, κ APC/Fire™ 750 isotype control (right).

Applications:

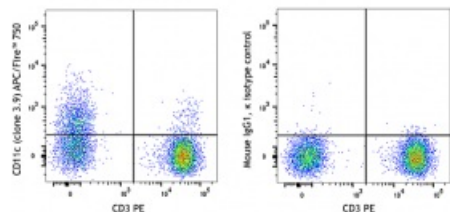
Applications: Flow Cytometry

Recommended Usage: 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 5 µl per million cells in 100 µl staining volume or 5 µl per 100 µl of whole blood.

* APC/Fire™ 750 has a maximum excitation of 650 nm and a maximum emission of 787 nm.

Application Notes: MHM-88 antibody reacts with both soluble and membrane human immunoglobulin M (IgM). It does not react with other Ig isotypes. Additional reported applications (for the relevant formats) include: use as a primary or secondary reagent for ELISA analysis.

Due to the presence of excess soluble IgM in whole blood, which competes for antibody binding, staining for IgM on cells in whole blood is not recommended.



Human peripheral blood lymphocytes were stained with PE anti-human CD3 and APC/Fire™ 750 anti-human CD11c (clone 3.9) (left) or mouse IgG1, κ APC/Fire™ 750 isotype control (right).

Application References: 1. Perez-Shiyama C, et al. 2014. *J Immunol.* 192:5192. [PubMed](#)

Description: IgM is the first immunoglobulin made by B cells in the immune response. Surface IgM is expressed on immature and mature B cells, while IgM heavy (μ) chain is expressed intracellularly in pre-B cells.

Antigen
References:

1. Akiba H, *et al.* 2000. *J. Exp. Med.* 191:375.
2. Pollak KE, *et al.* 1995. *Eur. J. Immunol.* 25:488.
3. DeBenedette MA, *et al.* 1997. *J. Immunol.* 158:551.
4. Goodwin RG, *et al.* 1993. *Eur. J. Immunol.* 23:2631.