

Alexa Fluor® 700 anti-human IgM

Catalog # / Size: 2172685 / 25 tests
2172690 / 100 tests

Clone: MHM-88

Isotype: Mouse IgG1, κ

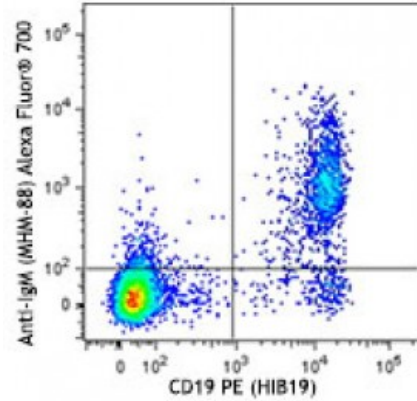
Immunogen: Human Ig cocktail

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography and conjugated with Alexa Fluor® 700 under optimal conditions.

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

Concentration: 0.5



Overnight cultured human peripheral blood mononuclear cells were stained with CD19 PE and IgM (clone MHM-88) Alexa Fluor® 700 (top) or mouse IgG1, κ Alexa Fluor® 700 isotype control (bottom). Data shown was gated on lymphocyte population.

Applications:

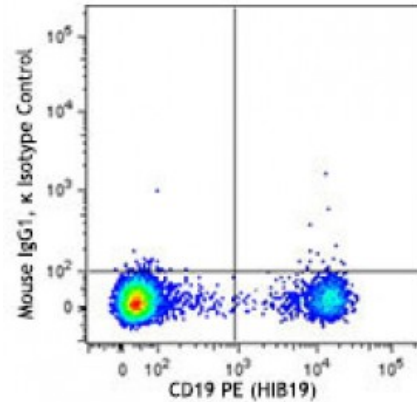
Applications: Flow Cytometry

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 microL per million cells or 5 microL per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

* Alexa Fluor® 700 has a maximum emission of 719 nm when it is excited at 633 nm / 635 nm. Prior to using Alexa Fluor® 700 conjugate for flow cytometric analysis, please verify your flow cytometer's capability of exciting and detecting the fluorochrome.

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.

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.