

**Pacific Blue™ anti-human IgM**

**Catalog # / Size:** 2172565 / 25 µg  
2172570 / 100 µg

**Clone:** MHM-88

**Isotype:** Mouse IgG1, κ

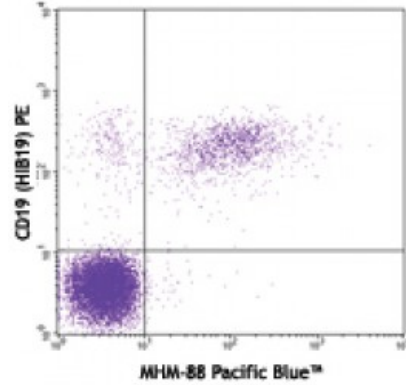
**Immunogen:** Human Ig cocktail

**Reactivity:** Human

**Preparation:** The antibody was purified by affinity chromatography, and conjugated with Pacific Blue™ under optimal conditions. The solution is free of unconjugated Pacific Blue™.

**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

**Concentration:** 0.5

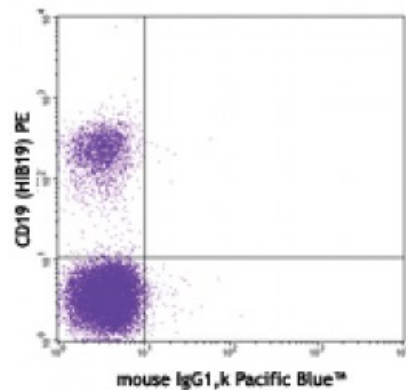


Over night cultured human peripheral blood lymphocytes stained with CD19 (HIB19) PE and MHM-88 Pacific Blue™ (top) or mouse IgG1, κ Pacific Blue™ isotype control (bottom)

**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 ≤1.0 microg per million cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.



\* Pacific Blue™ has a maximum emission of 455 nm when it is excited at 405 nm. Prior to using Pacific Blue™ 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** 1. Perez-Shiyama C, *et al.* 2014. *J Immunol.* 192:5192. [PubMed](#)  
**References:**

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**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 ( $\mu$ ) chain is expressed intracellularly in pre-B cells.