

Pacific Blue™ anti-human IgM

Catalog # / Size: 314513 / 25 µg
314514 / 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 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. **Do not freeze.**

Applications:

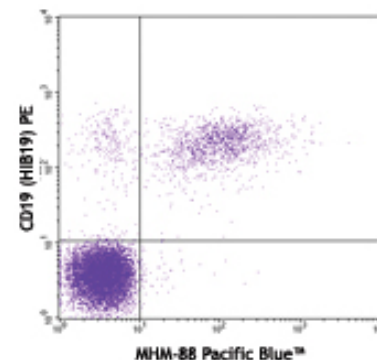
Applications: FC - Quality tested

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤1.0 µg per million cells in 100 µl volume or 100 µl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

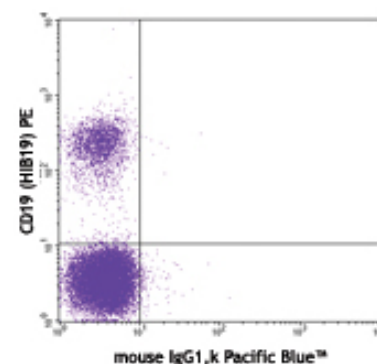
* Pacific Blue™ has a maximum emission of 455 nm when it is excited at 405 nm. Prior to using Pacific Blue™ conjugate for flow cytometric analysis, please verify your flow cytometer's capability of exciting and detecting the fluorochrome.

** Pacific Blue™ is a registered trademark of Molecular Probes, Inc. Pacific Blue™ dye antibody conjugates are sold under license from Molecular Probes, Inc. for research use only, except for use in combination with microarrays and high content screening, and are covered by pending and issued patents.

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.



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)



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.

Related Products:

Product	Clone
Pacific Blue™ Mouse IgG1, κ Isotype Ctrl	MOPC-21
Cell Staining Buffer	
RBC Lysis Buffer (10X)	
Human TruStain FcX™ (Fc Receptor Blocking Solution)	

Application

FC, ICFC
FC, ICC, ICFC
FC, ICFC
FC, ICC, ICFC



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