SONY

Product Data Sheet

PE/Dazzle™ 594 anti-human IgM

Catalog # / Size: 2172645 / 25 tests
2172650 / 100 tests

Clone: MHM-88

Isotype: Mouse IgG1, κ

Immunogen: Human Ig cocktail

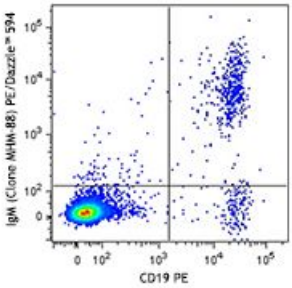
Reactivity: Human, Non-human primate, Other

Preparation: The antibody was purified by affinity chromatography and conjugated with PE/Dazzle™ 594 under optimal conditions.

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

Workshop Number: HCDM listed

Concentration: Lot-specific



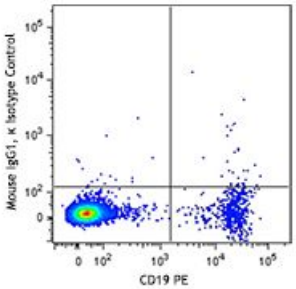
Overnight cultured human peripheral blood mononuclear cells were stained with CD19 PE and anti-IgM (clone MHM-88) PE/Dazzle™ 594 (top) or mouse IgG1, κ PE/Dazzle™ 594 isotype control (bottom). Data shown is gated on lymphocyte population.

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

* PE/Dazzle™ 594 has a maximum excitation of 566 nm and a maximum emission of 610 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 Other 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

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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 (μ) chain is expressed intracellularly in pre-B cells.

Antigen References:

1. Torigoe K, *et al.* 1997. *J. Biol. Chem.* 272:25737.
2. Gerdes N, *et al.* 2002. *J. Exp. Med.* 195:245.
3. Airoldi I, *et al.* 2000. *J. Immunol.* 165:6880.

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