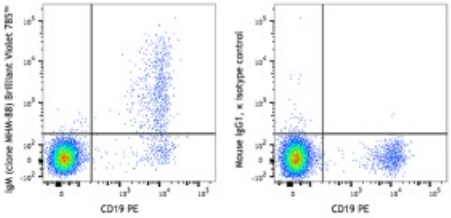
SONY

Product Data Sheet

Brilliant Violet 785™ anti-human IgM

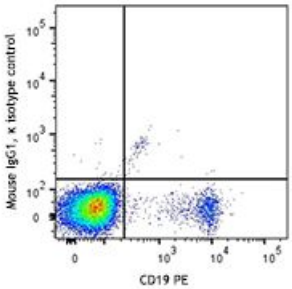
Catalog # / Size:	2172715 / 25 tests 2172720 / 100 tests
Clone:	MHM-88
Isotype:	Mouse IgG1, κ
Immunogen:	Human Ig cocktail
Reactivity:	Human, Non-human primate, Other
Preparation:	The antibody was purified by affinity chromatography and conjugated with Brilliant Violet 785™ under optimal conditions.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA).
Workshop Number:	HCDM listed
Concentration:	Lot-specific



Human peripheral blood lymphocytes were cultured overnight and then stained with CD19 PE and anti-human IgM (clone MHM-88) Brilliant Violet 785™ (left) or Mouse IgG1, κ Brilliant Violet 785™ isotype control (right).

Applications:

Applications: Flow Cytometry



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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.

Brilliant Violet 785™ excites at 405 nm and emits at 785 nm. The bandpass filter 780/60 nm is recommended for detection, although filter optimization may be required depending on other fluorophores used. Be sure to verify that your cytometer configuration and software setup are appropriate for detecting this channel. Refer to your instrument manual or manufacturer for support. Brilliant Violet 785™ is a trademark of Sirigen Group Ltd.

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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.

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