SONY

Product Data Sheet

Pacific Blue™ anti-human Ig light chain κ

Catalog # / Size: 2182615 / 25 tests
2182620 / 100 tests

Clone: MHK-49

Isotype: Mouse IgG1, κ

Immunogen: Human Ig cocktail

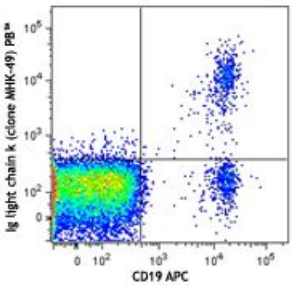
Reactivity: Human, Non-human primate

Preparation: The antibody was purified by affinity chromatography and conjugated with Pacific Blue™ 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



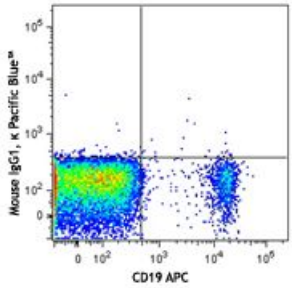
Human peripheral blood lymphocytes were stained with CD19 APC and Ig light chain κ(clone MHK-49, top) Pacific Blue™ or mouse IgG1, κPacific Blue™ isotype control (bottom).

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 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.

* 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 References:

1. Lockridge JL, *et al.* 2013. *Biol. Blood Marrow Transplant* 9:1310-22. (Other)

Description: The MHK-49 antibody reacts with both soluble and membrane human immunoglobulin light chain kappa (κ). It does not react with human immunoglobulin light chain lambda (λ) or heavy chain. The MHK-49 antibody can be used as primary or secondary reagent for immunofluorescent staining or Other analysis.

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Antigen References:

1. Fitzgerald, K., *et al.* Eds. 2001. The Cytokine FactsBook. Academic Press, San Diego.
2. Chicheportiche, Y., *et al.* 1997. *J. Biol. Chem.* 272:32401.
3. Kaplan, M., *et al.* 2000. *J. Immunol.* 164:2897.
4. Saas, P., *et al.* 2000. *Glia* 32:102.
5. Wiley, S., *et al.* 2001. *Immunity* 15:837.

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