SONY

Product Data Sheet

Alexa Fluor® 700 anti-human Ig light chain κ

Catalog # / Size: 2182630 / 100 tests

Clone: MHK-49

Isotype: Mouse IgG1, κ

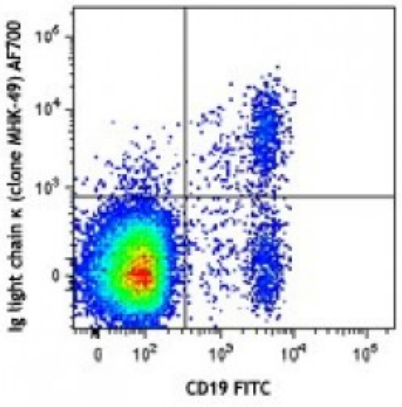
Immunogen: Human Ig cocktail

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography and conjugated with Alexa Fluor® 700 under optimal conditions.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

Concentration: Lot-specific



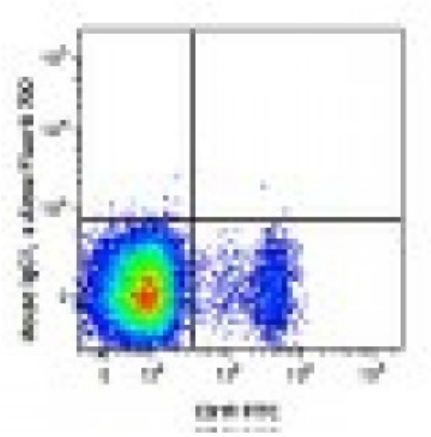
Human peripheral blood lymphocytes were stained with CD19 FITC and Ig light chain κ (clone MHK-49) Alexa Fluor® 700 (top) or mouse IgG1, κ Alexa Fluor® 700 isotype control (bottom).

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. The suggested use of this reagent is 5 microL per million cells or 5 microL per 100 microL of whole blood. It is highly recommended that the reagent be titrated for optimal performance for each application.

* Alexa Fluor® 700 has a maximum emission of 719 nm when it is excited at 633 nm / 635 nm. Prior to using Alexa Fluor® 700 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. (ELISA)

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

Sony Biotechnology Inc. 1730 North First Street, San Jose, CA 95112 www.sonybiotechnology.com