

# Product Data Sheet

## Alexa Fluor® 647 anti-human Ig light chain $\kappa$

**Catalog # / Size:** 316514 / 100 tests

**Clone:** MHK-49

**Isotype:** Mouse IgG1,  $\kappa$

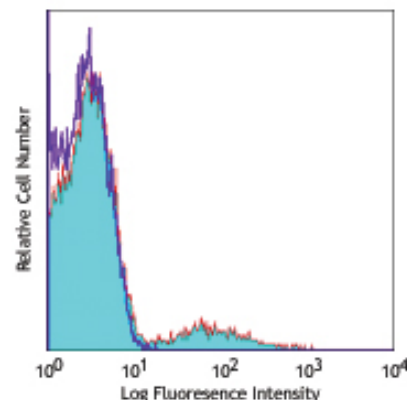
**Immunogen:** Human Ig cocktail

**Reactivity:** Human

**Preparation:** The antibody was purified by affinity chromatography, and conjugated with Alexa Fluor® 647 under optimal conditions. The solution is free of unconjugated Alexa Fluor® 647.

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

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



Human peripheral blood lymphocytes stained with MHK-49 Alexa Fluor® 647

## Applications:

**Applications:** FC, ICFC - *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 5  $\mu$ l per million cells or 5  $\mu$ l per 100  $\mu$ l of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

\* Alexa Fluor® 647 has a maximum emission of 668 nm when it is excited at 633nm / 635nm.

\*\* Alexa Fluor® is a registered trademark of Molecular Probes, Inc. Alexa Fluor® 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.

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

### Related Products:

**Product**  
Cell Staining Buffer  
Alexa Fluor® 647 Mouse IgG1,  $\kappa$  Isotype Ctrl (FC)  
Human TruStain FcX™ (Fc Receptor Blocking Solution)

### Clone

MOPC-21

### Application

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



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