

ARG63047 Mouse anti-Human Kappa Light Chain antibody [A8B5] (FITC)

Package: 100 tests
Store at: 4°C

Summary

| | |
|-----------------------------|---|
| Product Description | FITC-conjugated Mouse Monoclonal antibody [A8B5] recognizes Human Kappa Light Chain |
| Tested Reactivity | Hu |
| Species Does Not React With | Goat, Gpig, Hm, Rb, Sheep |
| Tested Application | FACS |
| Specificity | The clone A8B5 reacts with kappa light chains (22.5 kDa) of immunoglobulins. |
| Host | Mouse |
| Clonality | Monoclonal |
| Clone | A8B5 |
| Isotype | IgG1 |
| Target Name | Kappa Light Chain |
| Conjugation | FITC |

Application Instructions

| Application table | Application | Dilution |
|-------------------|-------------|-------------------------------|
| | FACS | 20 µl / 10 ⁶ cells |

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

| | |
|---------------------|--|
| Form | Liquid |
| Purification Note | The purified antibody is conjugated with Fluorescein isothiocyanate (FITC) under optimum conditions. The reagent is free of unconjugated FITC and adjusted for direct use. No reconstitution is necessary. |
| Buffer | PBS, 15 mM Sodium azide and 0.2% (w/v) high-grade protease free BSA |
| Preservative | 15 mM Sodium azide |
| Stabilizer | 0.2% (w/v) high-grade protease free BSA |
| Storage instruction | Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note | For laboratory research only, not for drug, diagnostic or other use. |

Bioinformation

Database links [GeneID: 3514 Human](#)

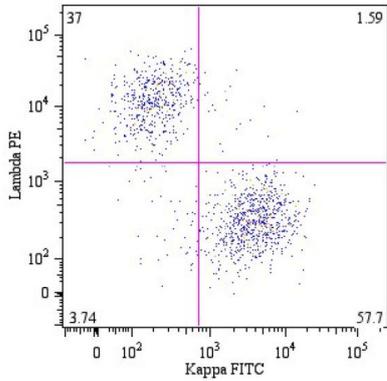
Background

Immunoglobulin classes share the same basic four polypeptide chain structure of two heavy chains (five heavy chains types) and two light chains (kappa, lambda; both having a molecular weight of 22.5kDa). Kappa and lambda consist of a variable region and a constant region and can easily be differentiated by the antigenic properties of the constant region. The ratio of kappa to lambda is 70:30.

Research Area

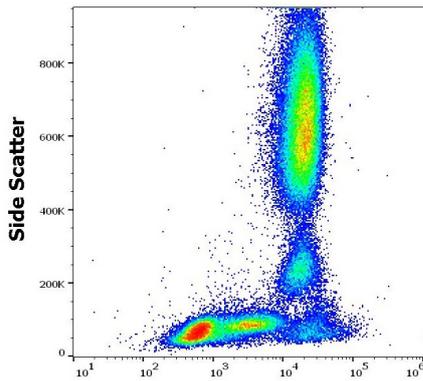
Immune System antibody

Images



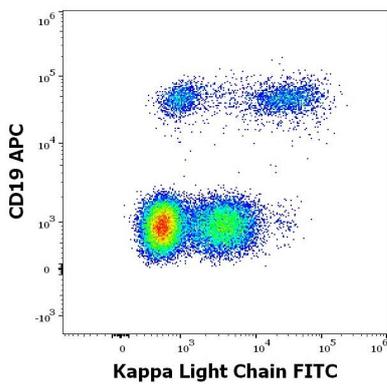
ARG63047 Mouse anti-Human Kappa Light Chain antibody [A8B5] (FITC) FACS image

Flow Cytometry: B lymphocytes (CD19+) stained with ARG63047 Mouse anti-Human Kappa Light Chain antibody [A8B5] (FITC).



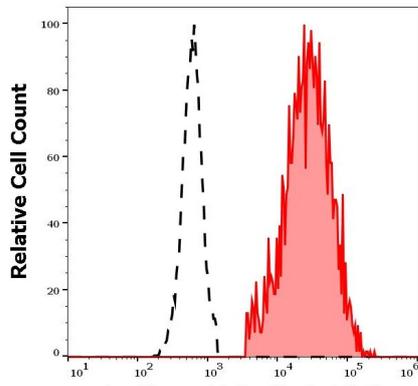
ARG63047 Mouse anti-Human Kappa Light Chain antibody [A8B5] (FITC) FACS image

Flow Cytometry: Human peripheral whole blood stained with ARG63047 Mouse anti-Human Kappa Light Chain antibody [A8B5] (FITC) (20 µl reagent / 100 µl of peripheral whole blood).



ARG63047 Mouse anti-Human Kappa Light Chain antibody [A8B5] (FITC) FACS image

Flow Cytometry: Human lymphocytes stained with ARG63047 Mouse anti-Human Kappa Light Chain antibody [A8B5] (FITC) (20 µl reagent / 100 µl of peripheral whole blood) and [ARG53782](#) anti-CD19 antibody [LT19] (APC) (10 µl reagent / 100 µl of peripheral whole blood).



ARG63047 Mouse anti-Human Kappa Light Chain antibody [A8B5] (FITC) FACS image

Flow Cytometry: Separation of human Ig kappa light chain positive B-lymphocytes (red-filled) from Ig kappa light chain negative CD19 negative lymphocytes (black-dashed). Human peripheral whole blood stained with ARG63047 Mouse anti-Human Kappa Light Chain antibody [A8B5] (FITC) at (20 µl reagent / 100 µl of peripheral whole blood).