

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

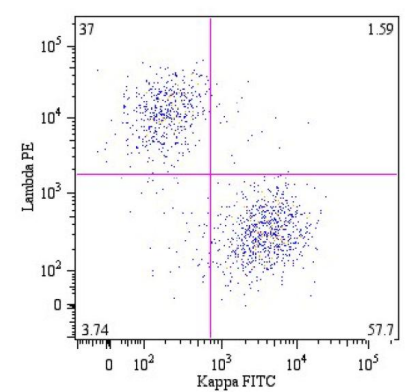
Form	Liquid
Purification Note	The purified antibody is conjugated with Fluorescein isothiocyanate (FITC) under optimum conditions. The reagent is free of unconjugated FITC and adjusted for direct use. No reconstitution is necessary.
Buffer	PBS, 15 mM Sodium azide and 0.2% (w/v) high-grade protease free 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
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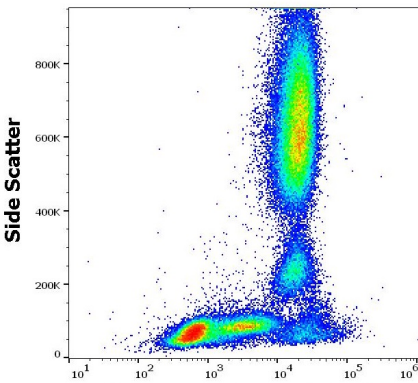
Background	Immunoglobulin classes share the same basic four polypeptide chain structure of two heavy chains (five heavy chains types) and two light chains (kappa, lambda; both having a molecular weight of 22.5kDa). Kappa and lambda consist of a variable region and a constant region and can easily be differentiated by the antigenic properties of the constant region. The ratio of kappa to lambda is 70:30.
Research Area	Immune System antibody

Images



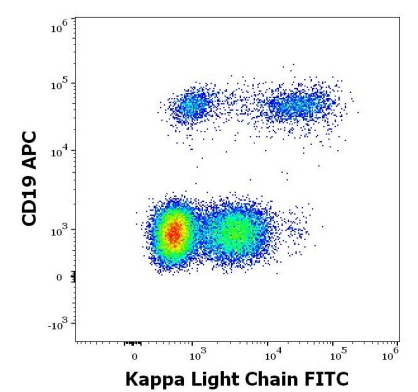
ARG63047 Mouse anti-Human Kappa Light Chain antibody [A8B5] (FITC) FACS image

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



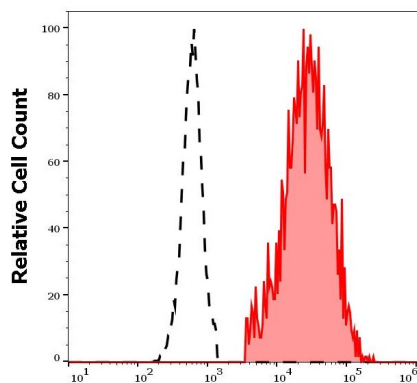
ARG63047 Mouse anti-Human Kappa Light Chain antibody [A8B5] (FITC) FACS image

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).