

Mouse Anti-Rat kappa R-PE Monoclonal Antibody

Mouse, Monoclonal (kappa)

Cat. No. DMAB4619

Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview: Mab to kappa

Mouse Monoclonal Antibody to rat kappa, κ light chains

Clone: L5F6

Ig Isotype: Mouse IgG₁ κ class-switch variant

Format: R-phycoerythrin (R-PE) Conjugate

Quality: 0.1 mg

Specificity: Reacts with rat kappa light chains

Applications: Enzyme-Linked-Immunosorbent-Assay (ELISA); Identification and enumeration of rat kappa light chain+ cells by flow cytometry

Characterization: To ensure lot-to-lot consistency, each batch of monoclonal antibody is tested as a second step reagent by flow cytometry and/or ELISA to conform to characteristics of a standard reference reagent.

Working Dilutions:

Flow Cytometry: $\leq 0.02 \mu\text{g}/10^6$ cells

Other Applications: Since applications vary, each investigator should determine the optimum working dilutions of the product that is appropriate for their specific needs.

Handling And Storage: The R-PE conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaN₃ and a stabilizing agent; store at 2-8°C. Do Not Freeze. Protect conjugated forms from light. Each reagent is stable for the period shown on the bottle label if stored as directed.

Warning: Reagents contain sodium azide. Sodium azide is very toxic if ingested or inhaled. Avoid contact with skin, eyes, or clothing. Wear eye or face protection when handling. If skin or eye contact occurs, wash with copious amounts of water. If ingested or inhaled, contact a physician immediately. Sodium azide yields toxic hydrazoic acid under acidic conditions. Dilute azide-containing compounds in running water before discarding to avoid accumulation of potentially explosive deposits in lead or copper plumbing.

BACKGROUND

Introduction: Kappa (uppercase K, lowercase κ or χ ; Greek: Κάππια) is the 10th letter of the Greek alphabet, used to represent the voiceless velar stop, or "k", sound in Ancient and Modern Greek. In the system of Greek numerals it has a value of 20. It was derived from the Phoenician letter Kaph. Letters that arose from kappa include the Roman K and Cyrillic K.

Keywords: Ig kappa chain C region; HCAK 1; HCAK1; IGKC; Immunoglobulin kappa constant; Immunoglobulin kappa constant region; Immunoglobulin kappa light chain; Kappa 1 immunoglobulin light chain; kappa light chain; Km; MGC111575; MGC62011; MGC72072; MGC88770; MGC88771; MGC88809; kappa; kappa κ ; kappa light chains; kappa κ light chains

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