Monoclonal Antibody to Kappa light chains
Pacific Blue™ conjugated (100 tests)

Clone: A8B5
Isotype: Mouse IgG1
Specificity: The antibody A8B5 reacts with kappa light chains (22.5 kDa) of immunoglobulins.
Regulatory Status: RUO
Species Reactivity: Human
Negative Species: Hamster, Sheep, Goat, Rabbit, Guinea pig
Preparation: The purified antibody is conjugated with Pacific Blue under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.
Storage Buffer: The reagent is provided in phosphate buffered saline (PBS) containing 15 mM sodium azide and 0.2% (w/v) high-grade protease free Bovine Serum Albumin (BSA) as a stabilizing agent.
Storage / Stability: Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. Do not use after expiration date stamped on vial label.
Usage: The reagent is designed for Flow Cytometry analysis of human blood cells using 4 μl reagent / 100 μl of whole blood or 10^6 cells in a suspension. The content of a vial (0.4 ml) is sufficient for 100 tests.
Expiration: See vial label
Lot Number: See vial label
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.
References:


