



Antibodies

PB-504-T025

Monoclonal Antibody to Kappa light chains Pacific Blue™ conjugated (25 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 stabilizing phosphate buffered saline (PBS) solution containing 15mM sodium azide.
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 (0.1 ml) is sufficient for 25 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.

For laboratory research only, not for drug, diagnostic or other use.

**Antibodies****References:**

- *Franklin EC: Structure and function of immunoglobulins. *Acta Endocrinol Suppl (Copenh)*. 1975;194:77-95.
- *Konig A, Wennemuth G, Soyer HP, Hoffmann R, Happle R, Krause W: Vulvar amyloidosis mimicking giant condylomata acuminata in a patient with multiple myeloma. *Eur J Dermatol*. 1999 Jan-Feb;9(1):29-31.
- *Avilés-Salas A, Chanona-Vilchis JG, Candelaria-Hernández MG, Peñalva-Torres Mde L, Cuéllar-Mendoza ME: Presentación inicial de un linfoma plasmablastico como tumor ovárico. *Ginecol Obstet Mex*. 2012 Jun;80(6):430-4.
- *Díaz de Domingo NB, Lardo MM, Romero Artaza J, Merelli A, Carbia CD, Sánchez Avalos JC: Aplicación de técnicas inmunocitoquímicas para el diagnóstico de neoplasias hematológicas. *Medicina (B Aires)*. 1999;59(1):11-6.
- *Scheeren FA, Diehl SA, Smit LA, Beaumont T, Naspetti M, Bende RJ, Blom B, Karube K, Ohshima K, van Noesel CJ, Spits H: IL-21 is expressed in Hodgkin lymphoma and activates STAT5: evidence that activated STAT5 is required for Hodgkin lymphomagenesis. *Blood*. 2008 May 1;111(9):4706-15. doi: 10.1182/blood-2007-08-105643
- *Di Bartolo DL, Hyjek E, Keller S, Guasparri I, Deng H, Sun R, Chadburn A, Knowles DM, Cesarman E: Role of defective Oct-2 and OCA-B expression in immunoglobulin production and Kaposi's sarcoma-associated herpesvirus lytic reactivation in primary effusion lymphoma. *J Virol*. 2009 May;83(9):4308-15. doi: 10.1128/JVI.02196-08.

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