



PB-504-T100

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

<b>Clone:</b>	A8B5
<b>Isotype:</b>	Mouse IgG1
<b>Specificity:</b>	The antibody A8B5 reacts with kappa light chains (22.5 kDa) of immunoglobulins.
<b>Regulatory Status:</b>	RUO
<b>Species Reactivity:</b>	Human
<b>Negative Species:</b>	Hamster, Sheep, Goat, Rabbit, Guinea pig
<b>Preparation:</b>	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.
<b>Storage Buffer:</b>	The reagent is provided in stabilizing phosphate buffered saline (PBS) solution containing 15mM sodium azide.
<b>Storage / Stability:</b>	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.
<b>Usage:</b>	The reagent is designed for Flow Cytometry analysis of human blood cells using 4 µl reagent / 100 µl of whole blood or 10 <sup>6</sup> cells in a suspension. The content of a vial (0.4 ml) is sufficient for 100 tests.
<b>Expiration:</b>	See vial label
<b>Lot Number:</b>	See vial label
<b>Background:</b>	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: Aplicacion de tecnicas inmunocitoquimicas para el diagnostico de neoplasias hematologicas. *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.

Unless indicated otherwise, all products are For Research Use Only and not for diagnostic or therapeutic use. Not for resale or transfer either as a stand-alone product or as a component of another product without written consent of EXBIO. EXBIO will not be held responsible for patent infringement or other violations that may occur with the use of our products. All orders are accepted subject to EXBIO's term and conditions which are available at [www.exbio.cz](http://www.exbio.cz).

This product is provided under an agreement between Molecular Probes, Inc. (a wholly owned subsidiary of Invitrogen Corporation), and Exbio Praha, a.s., and the manufacture, use, sale or import of this product may be subject to one or more U.S. patents, pending applications, and corresponding non-U.S. equivalents, owned by Molecular Probes, Inc. The purchase of this product conveys to the buyer the non-transferable right to use the purchased amount of the product and components of the product in research conducted by the buyer (whether the buyer is an academic or for-profit entity), including use in flow cytometry that does not utilize a bead based array, but excluding use in combination with microarrays or High Content Screening. The buyer cannot sell or otherwise transfer (a) this product (b) its components or (c) materials made using this product or its components to a third party or otherwise use this product or its components or materials made using this product or its components for Commercial Purposes. Commercial Purposes means any activity by a party for consideration and may include, but is not limited to: (1) use of the product or its components in manufacturing; (2) use of the product or its components to provide a service, information, or data; (3) use of the product or its components for therapeutic, diagnostic or prophylactic purposes; or (4) resale of the product or its components, whether or not such product or its components are resold for use in research. For information on purchasing a license to this product for any other use, contact Molecular Probes, Inc., Business Development, 29851 Willow Creek Road, Eugene, OR 97402, USA, Tel: (541) 465-8300. Fax: (541) 335-0504.

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

EXBIO Praha | Nad Safinou II 341 | 252 50 Vestec u Prahy | Czech Republic  
Tel: +420 261 090 666 | Fax: +420 261 090 660 | [orders@exbio.cz](mailto:orders@exbio.cz) | [www.exbio.cz](http://www.exbio.cz)