



1F-673-T100

Monoclonal Antibody to Lambda light chains Fluorescein (FITC) conjugated (100 tests)

Clone:	1-155-2
Isotype:	Mouse IgG1
Specificity:	The mouse monoclonal antibody 1-155-2 recognizes lambda light chains (22.5 kDa) of human immunoglobulin.
Regulatory Status:	RUO
Immunogen:	Human IgA1 lambda myeloma protein
Species Reactivity:	Human
Preparation:	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.
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 (0.4 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:	*Kubagawa H, Gathings WE, Levitt D, Kearney JF, Cooper MD: Immunoglobulin isotype expression of normal pre-B cells as determined by immunofluorescence. <i>J Clin Immunol.</i> 1982 Oct;2(4):264-9. *Tierens AM, Holte H, Warsame A, Ikonomou IM, Wang J, Chan WC, Delabie J: Low levels of monoclonal small B cells in the bone marrow of patients with diffuse large B-cell lymphoma of activated B-cell type but not of germinal center B-cell type. <i>Haematologica.</i> 2010 Aug;95(8):1334-41. *Bahler DW, Pindzola JA, Swerdlow SH: Splenic marginal zone lymphomas appear to originate from different B cell types. <i>Am J Pathol.</i> 2002 Jul;161(1):81-8.

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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 | www.exbio.cz