

AM26140AC-N**Monoclonal Antibody to Human Lambda Light Chain - APC**

Quantity:	100 Tests
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.
Host / Isotype:	Mouse / IgG1
Recommended Isotype Controls:	SM10APC (for use in human samples)
Clone:	1-155-2
Immunogen:	Human IgA1 lambda myeloma protein
Format:	State: Liquid purified Ig fraction Buffer System: Phosphate buffered saline (PBS) Preservatives: 15 mM sodium azide Label: APC
Applications:	Flow cytometry: 10 µl reagent / 100 µl of whole blood or 10 ⁶ cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody detects human Lambda light chains.
Storage:	Store undiluted at 2-8°C. DO NOT FREEZE! This products is photosensitive and should be protected from light. Shelf life: one year from despatch.
General Readings:	1. 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. PubMed PMID: 6815220. 2. Tierens AM, Holte H, Warsame A, Ikonomidou IM, Wang J, Chan WC, et al. 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. doi: 10.3324/haematol.2009.014100. Epub 2010 Feb 9. PubMed PMID: 20145271. 3. 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. PubMed PMID: 12107092.

Pictures:

Surface staining of lambda light chains in human peripheral blood with anti-lambda light chains (1-155-2) PE.

