

TECHNICAL DATA SHEET

CyFlow™ Lambda-LC Alexa Fluor™ 700 Anti-Hu; Clone 1-155-2

REF AG768507

For Research Use Only.
Not for use in diagnostic or therapeutic procedures.

Specifications

Antigen	λ light chains
Alternative Names	—
Clone	1-155-2
Clonality	monoclonal
Format	Alexa Fluor™ 700
Host / Isotype	Mouse / IgG1
Species Reactivity	Human
Negative Species Reactivity	—
Quantity	100 tests
Immunogen	Human IgA1 λ myeloma protein

Specificity

The mouse monoclonal antibody 1-155-2 recognizes λ light chains (22.5 kDa) of human immunoglobulin.

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Application

The reagent is designed for Flow Cytometry analysis of human blood cells. Recommended usage is 4 µl reagent / 100 µl of whole blood or 10⁶ cells in a suspension. The content of a vial (0.4 ml) is sufficient for 100 tests.

Other usages may be determined from the scientific literature.

Storage Buffer

The reagent is provided in stabilizing phosphate buffered saline (PBS) solution, pH ≈7.4, containing 0.1% (w/v) sodium azide.

Storage and Stability

Storage	Avoid prolonged exposure to light. Store in the dark at 2-8°C. Do not freeze.
Stability	Do not use after expiration date stamped on vial label.

Background Information

Immunoglobulin classes share the same basic four polypeptide chain structure of two heavy chains (five heavy chains types) and two light chains (κ and λ; both having a molecular weight of 22.5kDa). κ and λ 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 κ to λ 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. J Clin Immunol. 1982 Oct; 2(4):264-9. < PMID: 6815220 >
- Bahler DW, Pindzola JA, Swerdlow SH: Splenic marginal zone lymphomas appear to originate from different B cell types. Am J Pathol. 2002 Jul; 161(1):81-8. < PMID: 12107092 >
- Tierens AM, Holte H, Warsame A, Ikonomidou 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. Haematologica. 2010 Aug; 95(8):1334-41. < PMID: 20145271 >

The Safety Data Sheet for this product is available at www.sysmex-partec.com/services.

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