

Lambda light chain Monoclonal Antibody (1-155-2), Super Bright™ 600, eBioscience™

Product Details	
Size	25 Tests
Species Reactivity	Human
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), Super Bright™ 600, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	1-155-2
Conjugate	Super Bright™ 600
Form	Liquid
Concentration	5 µL/Test
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2802446

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.5 µg)/Test	1 Publication

Product Specific Information

Description: The monoclonal antibody 1-155-2 recognizes the lambda light chain of human immunoglobulin. Approximately 22-kDa, the Ig lambda chain is comprised of one variable and one constant region. Two lambda chains together with the heavy chain comprise the whole Ig structure. Expression of Ig lambda is typically found in less than half of B lymphocytes, and has been associated with neoplastic lymphomas.

Applications Reported: This 1-155-2 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This 1-155-2 antibody has been pre-diluted and tested by flow cytometric analysis of normal human peripheral blood cells. This may be used at 5 µL (0.5 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells /test.

Super Bright 600 is a tandem dye that can be excited with the violet laser line (405 nm) and emits at 600 nm. We recommend using a 610/20 bandpass filter. Please make sure that your instrument is capable of detecting this fluorochrome.

When using two or more Super Bright dye-conjugated antibodies in a staining panel, it is recommended to use Super Bright Complete Staining Buffer (Product # SB-4401) to minimize any non-specific polymer interactions. Please refer to the datasheet for Super Bright Staining Buffer for more information.

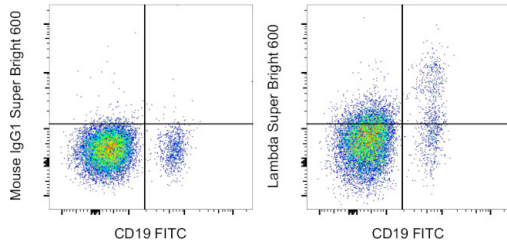
Light sensitivity: This tandem dye is sensitive to photo-induced oxidation. Please protect this vial and stained samples from light.

Fixation: Samples can be stored in IC Fixation Buffer (Product # 00-8222-49) (100 µL of cell sample + 100 µL of IC Fixation Buffer) or 1-step Fix/Lyse Solution (Product # 00-5333-57) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency/compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific performance should be determined empirically.

Excitation: 405 nm; **Emission:** 600 nm; **Laser:** Violet Laser

Super Bright Polymer Dyes are sold under license from Becton, Dickinson and Company.

Product Images For Lambda light chain Monoclonal Antibody (1-155-2), Super Bright™ 600, eBioscience™



Lambda light chain Antibody (63-9990-41) in Flow

Normal human peripheral blood cells were stained with CD19 Monoclonal Antibody, FITC (Product # 11-0199-42) and Mouse IgG1 kappa Isotype Control, Super Bright 600 (Product # 63-4714-82) (left) or Ig Lambda light chain Monoclonal Antibody, Super Bright 600 (right). Cells in the lymphocyte gate were used for analysis.

1 Reference

Flow Cytometry (1)

Scientific reports

T cell reactivity to regulatory factor X4 in type 1 narcolepsy.

"Published figure using Lambda light chain monoclonal antibody (Product # 63-9990-42) in Flow Cytometry"

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Year
2021

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