

# CD5 Monoclonal Antibody (L17F12), Super Bright™ 436, eBioscience™

Product Details	
Size	25 Tests
Species Reactivity	Human
Host/Isotype	Mouse / IgG2a, kappa
Recommended Isotype Control	Mouse IgG2a kappa Isotype Control (eBM2a), Super Bright™ 436, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	L17F12
Conjugate	Super Bright™ 436
Excitation/Emission Max	413/431 nm
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2762493

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µl (0.25 µg)/test	-

## Product Specific Information

**Description:** The L17F12 monoclonal antibody reacts with human CD5, a 67 kDa protein expressed by a majority of thymocytes and mature T cells and a subset of B cells. Signaling through the CD5 molecule activates T cells and binding of CD5 to its ligand on B cells, CD72, and plays an important role in T-B interaction and proliferation.

**Applications Reported:** This L17F12 antibody has been reported for use in flow cytometric analysis.

**Applications Tested:** This L17F12 antibody has been pre-diluted and tested by flow cytometric analysis of normal human peripheral blood cells. This may be used at 5 µL (0.25 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 10<sup>5</sup> to 10<sup>8</sup> cells/test.

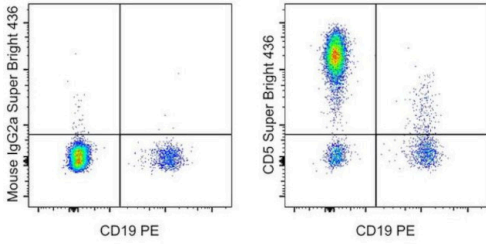
Super Bright 436 can be excited with the violet laser line (405 nm) and emits at 436 nm. We recommend using a 450/50 bandpass filter, or equivalent. Please make sure that your instrument is capable of detecting this fluorochrome.

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.

Excitation: 405 nm; Emission: 436 nm; Laser: Violet Laser

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

## Product Images For CD5 Monoclonal Antibody (L17F12), Super Bright™ 436, eBioscience™



### CD5 Antibody (62-0058-41) in Flow

Normal human peripheral blood cells were stained with CD19 Monoclonal Antibody, PE (Product # 12-0199-42) and Mouse IgG2a kappa Isotype Control, Super Bright 436 (Product # 62-4724-82) (left) or CD5 Monoclonal Antibody, Super Bright 436 (right). Cells in the lymphocyte gate were used for analysis.

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