

CD122 Monoclonal Antibody (TM-b1 (TM-beta1)), Super Bright™ 436, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Host/Isotype	Rat / IgG2b, kappa
Recommended Isotype Control	Rat IgG2b kappa Isotype Control (eB149/10H5), Super Bright™ 436, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	TM-b1 (TM-beta1)
Conjugate	Super Bright™ 436
Excitation/Emission Max	413/431 nm
Form	Liquid
Concentration	0.2 mg/mL
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_2762652

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	1 µg/test	-

Product Specific Information

Description: The TM-b1 monoclonal antibody reacts with mouse CD122, the 90-110 kDa interleukin-2 receptor beta chain (IL-2R beta). CD122 is expressed by NK cells and some T cells in the periphery, and is upregulated by activation. CD122 associates with CD25 and CD132 (common gamma chain) to form the high affinity IL-2 receptor. High affinity binding of IL-2 to the IL-2 receptor is inhibited by the TM-b1 antibody.™

™ Applications Reported: This TM-b1 antibody has been reported for use in flow cytometric analysis.™

™ Applications Tested: This TM-b1 antibody has been tested by flow cytometric analysis of mouse splenocytes. This may be used at less than or equal to 1 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. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.™

™ 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.™

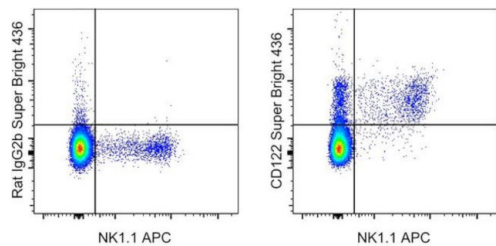
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Excitation: 405 nm; Emission: 436 nm; Laser: Violet Laser^{AM}

^{AM}

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

Product Images For CD122 Monoclonal Antibody (TM-b1 (TM-beta1)), Super Bright™ 436, eBioscience™



CD122 Antibody (62-1222-82) in Flow

C57BL/6 mouse splenocytes were stained with NK1.1 Monoclonal Antibody, APC (Product # 17-5941-82) and 1 µg of Rat IgG2b kappa Isotype Control, Super Bright 436 (Product # 62-4031-82) (left) or 1 µg of CD122 Monoclonal Antibody, Super Bright 436 (right). Cells in the lymphocyte gate were used for analysis.

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