

TCR V alpha 2 Monoclonal Antibody (B20.1), Super Bright 436, eBioscience™

Product Details	
Size	25 µg
Species Reactivity	Mouse
Host/Isotype	Rat / IgG2a, lambda
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), Super Bright 436, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	B20.1
Conjugate	Super Bright 436
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_2735081

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.5 µg/test	-

Product Specific Information

Description: The B20.1 monoclonal antibody reacts with mouse T-cell receptor (TCR) V alpha 2 chains. This antibody recognizes the majority of the TCR V alpha 2 subfamily in mice carrying the a, b and c haplotypes. The antibody also reacts with the products of T cell receptor, V delta 8 due to the high degree of homology.

Applications Reported: This B20.1 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This B20.1 antibody has been tested by flow cytometric analysis of mouse lymph node cells. This can be used at less than or equal to 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. It is recommended to preblock Fc receptors for 10 minutes using 0.5 µg of purified anti-mouse CD16/32 (cat. 14-0161-42). It is also recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

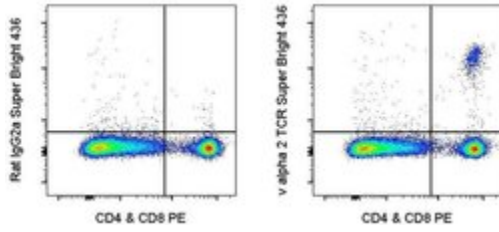
Super Bright 436 can be excited with the violet laser line (405 nm) and emits at 436 nm. We recommend using a 450/50 bandpass filter, or equivalent. Please make sure that your instrument is capable of detecting this fluorochrome.

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.

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 TCR V alpha 2 Monoclonal Antibody (B20.1), Super Bright 436, eBioscience™



TCR V alpha 2 Antibody (62-5812-80) in Flow

C57BL/6 mouse splenocytes were stained with CD4 Monoclonal Antibody, PE (Product # 12-0041-82), CD8 Monoclonal Antibody PE (Product # 17-0081-82) and 0.25 µg of Rat IgG2a Isotype Control, Super Bright 436 (Product # 62-4321-82) (left) or 0.25 µg of TCR V alpha 2 Monoclonal Antibody, Super Bright 436 (right). Cells in the lymphocyte gate were used for analysis.

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