

# TCR V beta 10b Monoclonal Antibody (B21.5), Biotin, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotype	Rat / IgG2a, lambda
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), Biotin, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	B21.5
Conjugate	Biotin
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_10670366

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.25 µg/test	1 Publication

## Product Specific Information

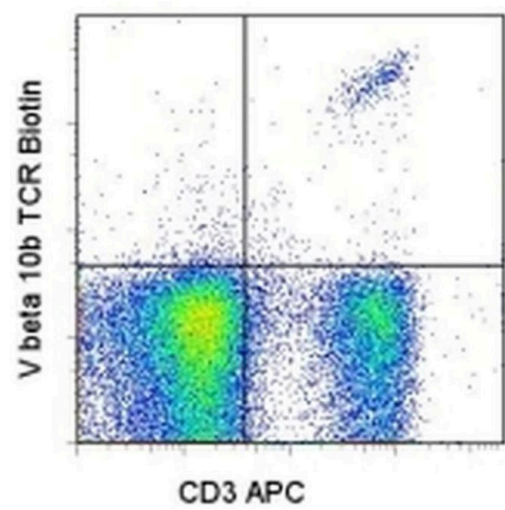
**Description:** The B21.5 monoclonal antibody reacts with the Vbeta10 T Cell Receptor (TCR) in mice of the b haplotype of the TCR Vbeta gene complex, which includes AKR, BALB/c, CBA, C3H/He, C57BL, DBA/1 and DBA/2 mice. It does not react with Vbeta10 in mice of the a or c haplotypes of the TCR Vbeta gene complex, including C57BR, C57L, SJL, and SWR mice.

**Applications Reported:** This B21.5 antibody has been reported for use in flow cytometric analysis.

**Applications Tested:** This B21.5 antibody has been tested by flow cytometric analysis of C57Bl/6 mouse splenocytes. This can be used at less than or equal to 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. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

**Filtration:** 0.2 µm post-manufacturing filtered.

Product Images For TCR V beta 10b Monoclonal Antibody (B21.5), Biotin, eBioscience™



**TCR V beta 10b Antibody (13-5805-82) in Flow**  
Staining of C57Bl/6 splenocytes with Anti-Mouse CD3e APC (Product # 17-0031-82) and 0.125 µg of Anti-Mouse V beta 10b TCR Biotin (right) followed by Streptavidin PE (Product # 12-4317-87). Total viable cells were used for analysis.

1 Reference

Flow Cytometry (1)

Frontiers in molecular neuroscience	Year 2020
Increased White Matter Inflammation in Aging- and Alzheimer's Disease Brain.	Species Mouse
"13-5805 was used in Flow cytometry/Cell sorting to indicate that microglia-induced neuroinflammation is predominant in the white matter of aging mice and humans as well as in EOAD brains."	
Authors: Raj D,Yin Z,Breur M,Doorduyn J,Holtman IR,Olah M,Mantingh-Otter IJ, Van Dam D,De Deyn PP,den Dunnen W,Eggen BJL,Amor S,Boddeke E	

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