

APC/Cyanine7 anti-mouse TCR Vβ11 Antibody

Catalog# / Size	125917 / 25 µg 125918 / 100 µg
Clone	KT11 (See other available formats)
Other Names	T cell receptor Vβ 11 [vb11]
Isotype	Rat IgG2b, κ
Description	The Vβ11 gene locus is deleted in mice of TCR a haplotype (C57BR, C57L, SJL, SWR) and TCR c haplotype (RIII). Mice of TCR b haplotype (C57BL, BALB/c, AKR, etc) have Vβ11-bearing T cells. However, mice expressing MHC class II I-E and some superantigens, such as Mtv-8, Mtv-9 and Mtv-11 will show a partial deletion of Tb11-bearing T cells.

Product Details

Reactivity	Mouse
Antibody Type	Monoclonal
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Preparation	The antibody was purified by affinity chromatography and conjugated with APC/Cyanine7 under optimal conditions. The solution is free of unconjugated APC/Cyanine7 and unconjugated antibody.
Concentration	0.2 mg/ml
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
Application	<i>FC - Quality tested</i>
Recommended Usage	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis . For flow cytometric staining, the suggested use of this reagent is ≤ 0.25 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.
Excitation Laser	Red Laser (633 nm)
Application References (PubMed link indicates BioLegend citation)	1. Quigley MF, et al. 2010. Proc Natl Acad Sci USA. 9:19414. PubMed

Antigen Details

Distribution	Positive on a subset of alpha/beta T cells
Ligand Receptor	MHC/peptide
Cell Type	T cells
Biology Area	Immunology
Molecular Family	CD Molecules, TCRs
Gene ID	21577

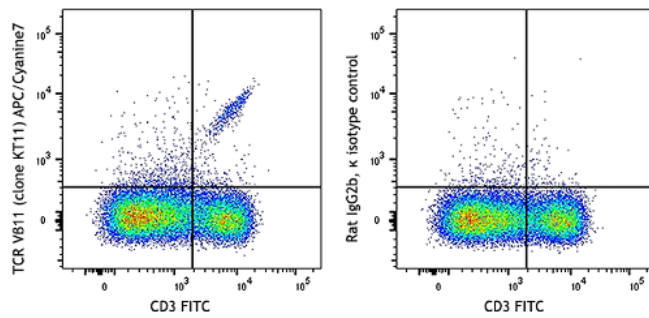
Related Protocols

[Cell Surface Flow Cytometry Staining Protocol](#)

Other Formats

FITC anti-mouse TCR V β 11, PE anti-mouse TCR V β 11, Alexa Fluor® 647 anti-mouse TCR V β 11, PerCP/Cyanine5.5 anti-mouse TCR V β 11, PE/Cy7 anti-mouse TCR V β 11, APC anti-mouse TCR V β 11

Product Data



C57BL/6 splenocytes were stained with CD3 FITC and TCR V β 11 (clone KT11) APC/Cyanine7 (left) or Rat IgG2b, κ APC/Cyanine7 isotype control (right).

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BioLegend Inc., 9727 Pacific Heights Blvd, San Diego, CA 92121 www.biolegend.com
Toll-Free Phone: 1-877-Bio-Legend (246-5343) Phone: (858) 768-5800 Fax: (877) 455-9587