

Alexa Fluor® 647 anti-mouse TCR Vβ11

Catalog # / Size: 125909 / 100 µg

Clone: KT11

Isotype: Rat IgG2b, κ

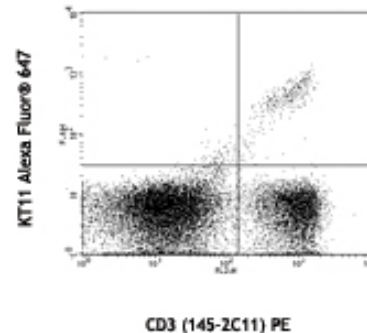
Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography, and conjugated with Alexa Fluor® 647 under optimal conditions. The solution is free of unconjugated Alexa Fluor® 647.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.5 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. **Do not freeze.**



B57BL/6 splenocytes stained with CD3 (145-2C11) PE and KT11 Alexa Fluor® 647

Applications:

Applications: FC - Quality tested

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent 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.

* Alexa Fluor® 647 has a maximum emission of 668 nm when it is excited at 633 nm / 635 nm.

** Alexa Fluor® 647 is a registered trademark of Molecular Probes, Inc. Alexa Fluor® 647 dye antibody conjugates are sold under license from Molecular Probes, Inc. for research use only, except for use in combination with microarrays and high content screening, and are covered by pending and issued patents.

Application References: 1. Quigley MF, *et al.* 2010. *Proc Natl Acad Sci USA*. 9:19414. PubMed

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 Tβ11-bearing T cells.

Related Products:

Product
Alexa Fluor® 647 Rat IgG2b, κ Isotype Ctrl
Cell Staining Buffer
RBC Lysis Buffer (10X)
TruStain fcX™ (anti-mouse CD16/32)

Clone
RTK4530

93

Application
FC, ICFC
FC, ICC, ICFC
FC, ICFC
FC



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