SONY

Product Data Sheet

Alexa Fluor® 647 anti-mouse TCR Vβ11

Catalog # / Size: 1229545 / 100 µg

Clone: KT11

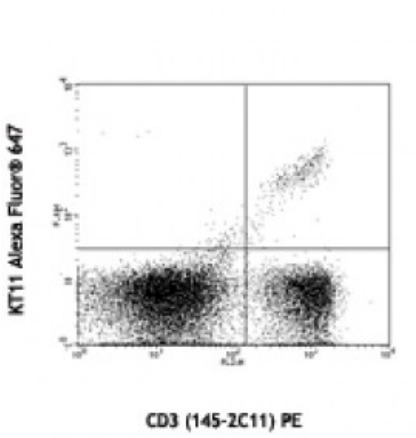
Isotype: Rat IgG2b, κ

Reactivity: Mouse

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

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

Concentration: 0.5



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

Applications:

Applications: Flow Cytometry

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 microg per million cells in 100 microL 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.

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 Tb11-bearing T cells.