

Product Data Sheet

Purified anti-mouse TCR Vβ9

Catalog # / Size: 139802 / 100 µg

Clone: MR10-2

Isotype: Mouse IgG1, κ

Immunogen: Mouse T-cell hybridoma 2BR18

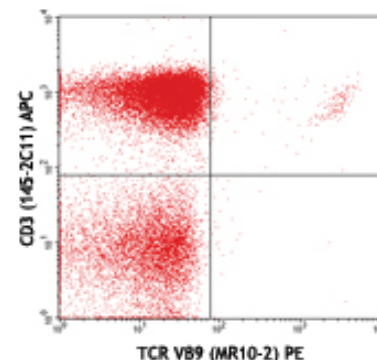
Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography.

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.



C57BL/6 mouse splenocytes stained with purified TCR Vβ9 (MR10-2) conjugated with PE and CD3 (145-2C11) APC

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.

Application References: 1. Utsunomiya Y, *et al.* 1991. *Eur. J. Immunol.* 21:1007. (FC)

Description: Vβ9 T cell receptor (TCR Vβ9) is a variant of TCR β chain and, along with TCR α chain, forms the TCR heterodimer. In association with the CD3 complex, TCR α/β is responsible for antigen recognition through interaction with MHC-peptide complex to initiate T cell-mediated immune responses. Murine Vβ9 cells recognize the Mtv-43, Mtv-44, and exogenous MMTV (SW) MIs-1 superantigens. Mice bearing a and c haplotypes have Vβ9 gene deletion.

Antigen References: 1. Ortman RA, *et al.* 1994. *J. Immunol.* 152:4175.
 2. Niimi N, *et al.* 1994. *Immunogenetics* 40:312.
 3. Pied s, *et al.* 1997. *Int. Immunol.* 9:17.

Related Products:

Product
 Purified Mouse IgG1, κ Isotype Ctrl
 Cell Staining Buffer
 RBC Lysis Buffer (10X)

Clone
 MOPC-21

Application
 FC, ICFC, ICC, IF, IHC, IP, WB
 FC, ICC, ICFC
 FC, ICFC



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