

# Product Data Sheet

## Biotin anti-mouse TCR V $\alpha$ 2

**Catalog # / Size:** 127803 / 50  $\mu$ g  
 127804 / 250  $\mu$ g

**Clone:** B20.1

**Isotype:** Rat IgG2a,  $\lambda$

**Immunogen:** Soluble TCR from mouse CTL clone KB5-C20

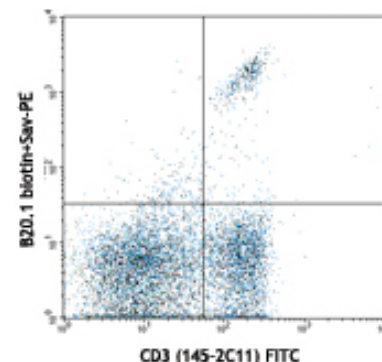
**Reactivity:** Mouse

**Preparation:** The antibody was purified by affinity chromatography, and conjugated with biotin under optimal conditions. The solution is free of unconjugated biotin.

**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. **Do not freeze.**



C57BL/6 mouse splenocytes stained with CD3 (145-2C11) FITC and biotinylated B20.1, followed by Sav-PE

## 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  $\leq 0.25 \mu$ g per  $10^6$  cells in 100  $\mu$ l volume. It is recommended that the reagent be titrated for optimal performance for each application.

**Application Notes:** The B20.1 antibody recognizes most members of the V $\alpha$ 2 TCR subfamily in mice having the a, b, and c haplotypes.

**Application References:**

1. Pircher H, *et al.* 1992. *Eur. J. Immunol.* 22:399.
2. Gregoire C, *et al.* 1991. *P. Natl. Acad. Sci. USA* 88:8077.
3. Kao C, *et al.* 2005. *Int. Immunol.* 17:1607. PubMed
4. Steptoe RJ, *et al.* 2007. *J. Immunol.* 178:2094. PubMed

**Description:** The TCR alpha ( $\alpha$ ) chain complexes with the TCR beta ( $\beta$ ) chain to form the T cell receptor in 95% of T cells, whereas the remaining 5% of T cells express gamma and delta chains ( $\gamma/\delta$ ). TCR V $\alpha$ 2 is a distinct TCR subfamily found in mice having the a, b, and c haplotypes.

**Antigen References:**

1. Kubo RT, *et al.* 1989. *J. Immunol.* 142:2736
2. Pircher H, *et al.* 1992. *Eur. J. Immunol.* 22:399

### Related Products:

**Product**  
 Cell Staining Buffer  
 RBC Lysis Buffer (10X)  
 TruStain fcX™ (anti-mouse CD16/32)

### Clone

93

### Application

FC, ICC, ICFC  
 FC, ICFC  
 FC



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