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Product Data Sheet

Biotin anti-mouse TCR Vα2

Catalog # / Size: 127803 / 50 μg
127804 / 250 μg

Clone: B20.1

Isotype: Rat IgG2a, λ

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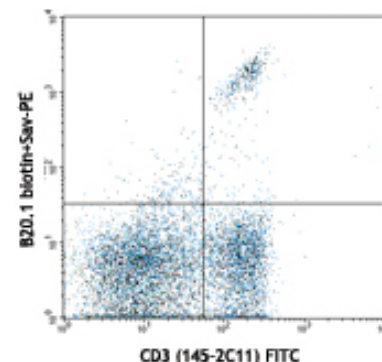
C57BL/6 mouse splenocytes stained with CD3 (145-2C11) FITC and biotinylated B20.1, followed by Sav-PE

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 ≤ 0.25 μg per 10^6 cells in 100 μl 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 Vα2 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 (α) chain complexes with the TCR beta (β) chain to form the T cell receptor in 95% of T cells, whereas the remaining 5% of T cells express gamma and delta chains (γ/δ). TCR Vα2 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	Clone	Application
	Cell Staining Buffer		FC, ICC, ICFC
	RBC Lysis Buffer (10X)		FC, ICFC
	TruStain fcX™ (anti-mouse CD16/32)	93	FC