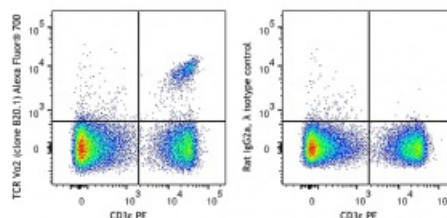


Alexa Fluor® 700 anti-mouse TCR Vα2**Catalog # /** 1239120 / 100 µg**Size:** 1239115 / 25 µg**Clone:** B20.1**Isotype:** Rat IgG2a, λ**Immunogen:** Soluble TCR from mouse CTL clone KB5-C20**Reactivity:** Mouse**Preparation:** The antibody was purified by affinity chromatography and conjugated with Alexa Fluor® 700 under optimal conditions. The solution is free of unconjugated Alexa Fluor® 700.**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.**Concentration:** 0.2 mg/ml

C57BL/6 mouse splenocytes were stained with CD3ε PE and anti-mouse TCR Vα2 (clone B20.1) Alexa Fluor® 700 (left) or rat IgG2a, λ Alexa Fluor® 700 isotype control (right).

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 ≤ 0.5 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

* Alexa Fluor® 700 has a maximum emission of 719 nm when it is excited at 633 nm / 635 nm. Prior to using Alexa Fluor® 700 conjugate for flow cytometric analysis, please verify your flow cytometer's capability of exciting and detecting the fluorochrome.

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](#)
 5. Rao RR, et al. 2012. *Immunity.* 36:374. [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.