

PE/Fire™ 640 anti-mouse CD3

Catalog # / Size: 1101345 / 25 µg
1101350 / 100 µg

Clone: 17A2

Isotype: Rat IgG2b, κ

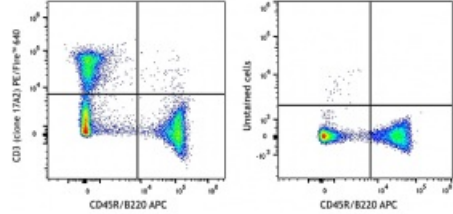
Immunogen: γδTCR-positive T-T hybridoma D1

Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography and conjugated with PE/Fire™ 640 under optimal conditions.

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

Concentration: 0.2 mg/mL



C57BL/6 splenocytes were stained with CD45R/B220 APC and CD3 (clone 17A2) PE/Fire™ 640 (left) or CD45R/B220 APC only (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.

* PE/Fire™ 640 has a maximum excitation of 566 nm and a maximum emission of 639 nm.

Description: CD3, also known as T3, is a member of the Ig superfamily and primarily expressed on T cells, NK-T cells, and at different levels on thymocytes during T cell differentiation. CD3 is composed of CD3ε, δ, γ and ζ chains. It forms a TCR complex by associating with TCR α/β or γ/δ chains. CD3 plays a critical role in TCR signal transduction, T cell activation, and antigen recognition by binding the peptide/MHC antigen complex

- Antigen References:**
1. Barclay A, *et al.* 1997. The Leukocyte Antigen FactsBook Academic Press.
 2. Davis MM. 1990. *Annu. Rev. Biochem.* 59:475.
 3. Weiss A, *et al.* 1994. *Cell* 76:263.