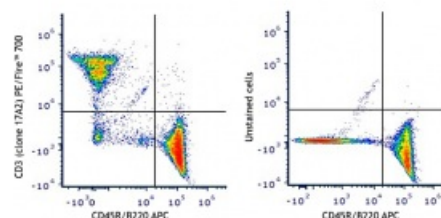


PE/Fire™ 700 anti-mouse CD3

Catalog # /	1101360 / 100 µg
Size:	1101355 / 25 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™ 700 under optimal conditions.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide
Workshop Number:	750 under optimal conditions.
Concentration:	0.2 mg/mL

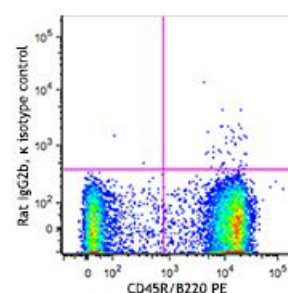


C57BL/6 splenocytes were stained with CD45R/B220 APC and CD3 (clone 17A2) PE/Fire™ 700 (left) or stained with CD45R/B220 APC only (right).

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 ≤ 0.25 µg per million cells in 100 µL volume. It is recommended that the reagent be titrated for optimal performance for each application.

* PE/Fire™ 700 has a maximum excitation of 565 nm and a maximum emission of 695 nm.



Application Notes:	ELISA or ELISPOT Capture^{2,3}: The purified MQ1-17H12 antibody is useful as the capture antibody in a sandwich ELISA or ELISPOT assay, when used in conjunction with the Biotin anti-human IL-2 antibody (Cat. No. 517605) as the detecting antibody. The Ultra-LEAF™ purified antibody is suggested for ELISPOT capture.
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**Application
References:**

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 12. Rout N, et al. 2010. *PLoS One* 5:e9787. (FC)
 13. Yeap SK, et al. 2013. *BMC Complement Altern. Med.* 13:145. (Neut)
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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.