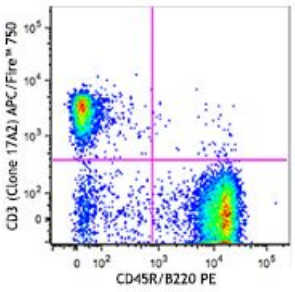
SONY

Product Data Sheet

APC/Fire™ 750 anti-mouse CD3

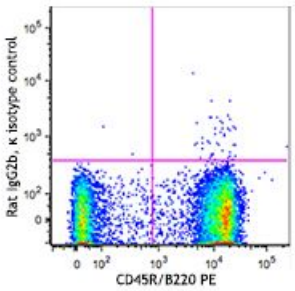
Catalog # / Size:	1101235 / 25 µg 1101240 / 100 µg
Clone:	17A2
Isotype:	Rat IgG2b, κ
Immunogen:	γδTCR-positive T-T hybridoma D1
Reactivity:	Mouse
Preparation:	The antibody was purified by affinity chromatography and conjugated with APC/Fire&trade
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Workshop Number:	750 under optimal conditions.
Concentration:	0.2 mg/ml



C57BL/6 splenocytes were stained with CD45R/B220 PE and CD3 (clone 17A2) APC/Fire™ 750 (top) or Rat IgG2b, κ APC/Fire™ 750 isotype control (bottom).

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. * APC/Fire™ 750 has a maximum excitation of 650 nm and a maximum emission of 787 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.

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