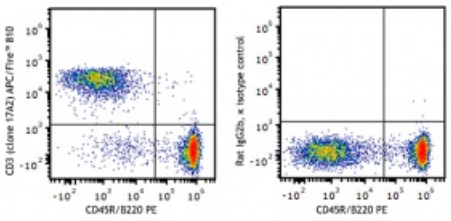
SONY

Product Data Sheet

APC/Fire™ 810 anti-mouse CD3

Catalog # / Size:	1101335 / 25 µg 1101340 / 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™ 810 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 PE and CD3 (clone 17A2) APC/Fire™ 810 (left) or rat IgG2b, κ APC/Fire™ 810 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. * APC/Fire™ 810 has a maximum excitation of 650 nm and a maximum emission of 810 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.