

**APC/Fire™ 810 anti-human CD27 Recombinant**

**Catalog # /** 2566065 / 25 tests  
**Size:** 2566070 / 100 tests

**Clone:** QA17A18

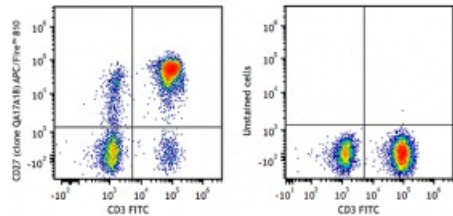
**Isotype:** Mouse IgG1, κ

**Reactivity:** Human

**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 and 0.2% (w/v) BSA (origin USA)

**Concentration:** Lot-specific



Human peripheral blood lymphocytes were stained with CD3 FITC and human CD27 (clone QA17A18) APC/Fire™ 810 (left) or CD3 FITC 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 5 µL per million cells in 100 µL staining volume or 5 µL per 100 µL of whole blood. 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.

**Application Notes:** Clone QA17A18 does not block clones 0323, M-T271, or LG.3A10, indicating a unique epitope.

**Description:** CD27 is a 50-55 kD type I membrane protein also known as S152 and T14. It is a lymphocyte-specific member of the TNF-receptor superfamily. CD27 is expressed on medullary thymocytes, virtually all mature T cells, some B cells, and NK cells. CD27 binds to CD70, and plays a role in costimulation of T cell activation and regulation of B cell differentiation and proliferation. The cytoplasmic domains of CD27 have also been shown to interact with TRAF2 and TRAF5 to elicit NF-κB and SAPK/JNK activation.

- Antigen References:**
1. Knapp W, *et al.* 1989. *Immunol. Today* 10:253-8
  2. Schlossman S, *et al.* 1995. *Leucocyte Typing V: White Cell Differentiation Antigens.* Oxford University Press.
  3. Hintzen R, *et al.* 1994. *Immunol. Today* 15:307.
  4. Agematsu K, *et al.* 1995. *J. Immunol.* 154:3627.