

**PerCP/Cyanine5.5 anti-human CD27 Recombinant**

**Catalog # / Size:** 2566050 / 100 tests  
2566045 / 25 tests

**Clone:** QA17A18

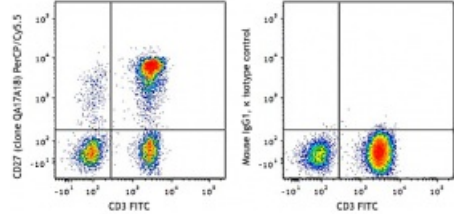
**Isotype:** Mouse IgG1, κ

**Reactivity:** Human

**Preparation:** The antibody was purified by affinity chromatography and conjugated with PerCP/Cyanine5.5 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 True-Stain Monocyte Blocker™ (Cat. No. 426103), CD3 FITC, and CD27 (clone QA17A18) PerCP/Cyanine5.5 (left) or mouse IgG1, κ PerCP/Cyanine5.5 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 5 µl per million cells in 100 µl staining volume or 5 µl per 100 µl of whole blood.

\* PerCP/Cyanine5.5 has a maximum absorption of 482 nm and a maximum emission of 690 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.