

Purified anti-human CD27 Recombinant

Catalog # / Size: 2566010 / 100 µg

Clone: QA17A18

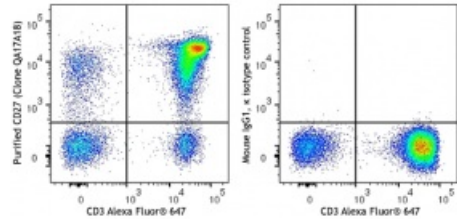
Isotype: Mouse IgG1, κ

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.5 mg/ml



Human peripheral blood lymphocytes were stained with CD3 (clone HIT3a) Alexa Fluor® 647 and purified CD27 (clone QA17A18) (left) or purified mouse IgG1, κ isotype control (right), followed by anti-mouse IgG1 PE.

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 ≤0.03 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

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.