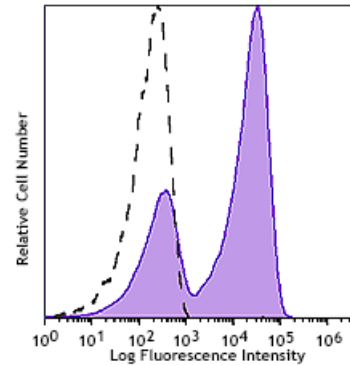


APC/Fire™ 810 anti-human CD27

Catalog # /	2114320 / 100 tests
Size:	2114315 / 25 tests
Clone:	O323
Isotype:	Mouse IgG1, κ
Immunogen:	Human PBMC
Reactivity:	Human, Non-human primate, Other
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)
Workshop Number:	IV T-186
Concentration:	Lot-specific



Human peripheral lymphocytes were stained with anti-human CD27 (clone O323) APC/Fire™ 810 (filled histogram) or mouse IgG1, κ APC/Fire™ 810 isotype control (open histogram).

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 μ L per million cells in 100 μ L staining volume or 5 μ L per 100 μ L 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: It was found that the HI30 clone and the 2D1 clone can cross block each other's binding.

Application References:

- Knapp W, *et al.* Eds. 1989. Leucocyte Typing IV. Oxford University Press. New York.
- Correia DV, *et al.* 2011. *Blood* 118:992. (FC) [PubMed](#)

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 an important 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- κ B and SAPK/JNK activation.

Antigen References:

- Hintzen R, *et al.* 1994. *Immunol. Today* 15:307.
- Agematsu K, *et al.* 1995. *J. Immunol.* 154:3627.