

## PerCP anti-human CD27

**Catalog # / Size:** 302817 / 25 tests  
302818 / 100 tests

**Clone:** O323

**Isotype:** Mouse IgG1,  $\kappa$

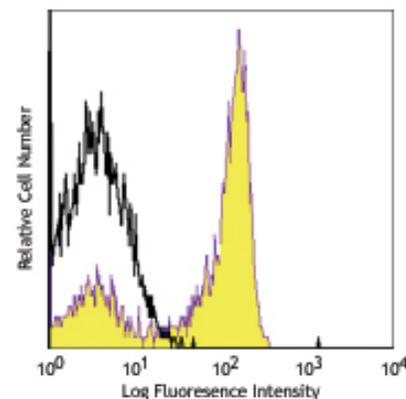
**Workshop Number:** IV T-186

**Reactivity:** Human, **Cross-Reactivity:** Baboon, Cynomolgus, Rhesus, Squirrel Monkey

**Preparation:** The antibody was purified by affinity chromatography, and conjugated with PerCP under optimal conditions. The solution is free of unconjugated PerCP and unconjugated antibody.

**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

**Storage:** The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. **Do not freeze.**



Human peripheral blood lymphocytes stained with O323 PerCP

## Applications:

**Applications:** FC - Quality tested

**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is 5  $\mu$ l per million cells or 5  $\mu$ l per 100  $\mu$ l of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

\* PerCP has a maximum absorption of 482 nm and 564 nm and a maximum emission of 675 nm.

**Application References:** 1. Knapp W, *et al.* Eds. 1989. Leucocyte Typing IV. Oxford University Press. New York.

**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- $\kappa$ B and SAPK/JNK activation.

**Antigen References:** 1. Hintzen R, *et al.* 1994. *Immunol. Today* 15:307.  
2. Agematsu K, *et al.* 1995. *J. Immunol.* 154:3627.

### Related Products:

Product	Clone	Application
Cell Staining Buffer		FC, ICC, ICFC
RBC Lysis Buffer (10X)		FC, ICFC
PerCP Mouse IgG1, $\kappa$ Isotype Ctrl	MOPC-21	FC, ICFC
Human TruStain FcX™ (Fc Receptor Blocking Solution)		FC, ICC, ICFC

### Clone

MOPC-21

### Application

FC, ICC, ICFC  
FC, ICFC  
FC, ICFC  
FC, ICC, ICFC



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