

Product Data Sheet

PerCP/Cy5.5 anti-human CD27

Catalog # / Size: 302819 / 25 tests
 302820 / 100 tests

Clone: O323

Isotype: Mouse IgG1, κ

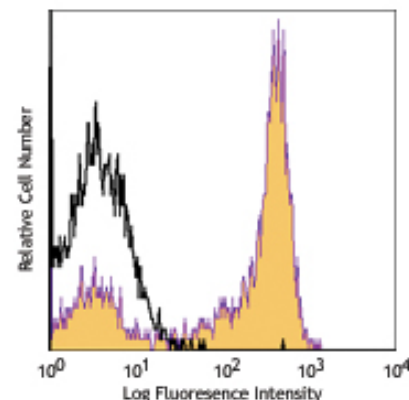
Workshop Number: IV T-186

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

Preparation: The antibody was purified by affinity chromatography, and conjugated with PerCP/Cy5.5 under optimal conditions. The solution is free of unconjugated PerCP/Cy5.5 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 CD27 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/Cy5.5

Applications:

Applications: FC - Quality tested

Recommended Usage: Each lot of this CD27 antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is 5 μ l per million cells 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.

* PerCP/Cy5.5 has a maximum absorption of 482 nm and 564 nm and a maximum emission of 690 nm.

Cy3, Cy5, Cy5.5 and Cy7 are subject to proprietary rights of GE Healthcare Bio-Sciences Corp. and Carnegie Mellon University and made and sold under license from GE Healthcare Bio-Sciences Corp. Sale of this product is licensed for research use only.

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- κ 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
 Cell Staining Buffer
 RBC Lysis Buffer (10X)
 PerCP/Cy5.5 Mouse IgG1, κ Isotype Ctrl
 Human TruStain FcX™ (Fc Receptor Blocking Solution)

Clone

MOPC-21

Application

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



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