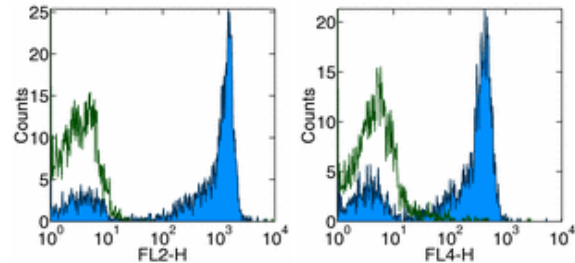


## Product Information

Contents: Biotin anti-human CD27  
Catalog Number: 13-0279  
Sizes: 25 ug, 100 ug  
Formulation: Phosphate buffer pH 7.2,  
150 mM NaCl, 0.09% NaN<sub>3</sub>  
Storage Conditions: Store at 4°C.  
DO NOT FREEZE.  
Clone: O323  
Isotype: Mouse IgG1, κ  
HLDA No.: IV T-186



Surface staining of normal human peripheral blood cells with anti-human CD27 (O323) PE (left), and APC (right). Appropriate isotype controls were used (open histogram). Cells in the lymphocyte population were used for analysis.

### Available Formats of This Product

| Cat. No. | Format                            | Excite (nm) | Emit (nm) | Reported Applications |
|----------|-----------------------------------|-------------|-----------|-----------------------|
| 10-0279  | APC-Cy7 anti-human CD27           | 633         | 760       | FC                    |
| 11-0279  | FITC anti-human CD27              | 488         | 518       | FC                    |
| 12-0279  | PE anti-human CD27                | 488         | 575       | FC                    |
| 13-0279  | Biotin anti-human CD27            | N/A         | N/A       | FC                    |
| 14-0279  | Affinity Purified anti-human CD27 | N/A         | N/A       | FC                    |
| 17-0279  | APC anti-human CD27               | 633         | 660       | FC                    |

### Description

The O323 monoclonal antibody reacts with human CD27, a lymphocyte-specific member of the TNFR superfamily. CD27 is expressed by a subset of thymocytes and virtually all mature T cells and is upregulated upon T-cell stimulation. CD27 binds to CD70, and through this interaction, plays an important role in T cell-B cell interaction.

### Usage

For research use only, not for diagnostic or therapeutic use. The O323 antibody has been reported for use in flow cytometric analysis.

### Applications Tested

The O323 antibody has been tested by flow cytometric analysis of human peripheral blood leukocytes. This can be used at less than or equal to 1 µg per 100 µl blood (or per 1 million cells in 100 µl total staining volume). It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

### Related Products

- Cat. 11-0271 FITC anti-mouse, human, rat CD27 (clone LG.7F9)
- Cat. 12-0271 PE anti-mouse, human, rat CD27 (clone LG.7F9)
- Cat. 13-0271 Biotin anti-mouse, human, rat CD27 (clone LG.7F9)
- Cat. 14-0271 Affinity Purified anti-mouse, human, rat CD27 (clone LG.7F9)
- Cat. 16-0271 Functional Grade Purified anti-mouse, human, rat CD27 (clone LG.7F9)
- Cat. 17-0271 APC anti-mouse, human, rat CD27 (clone LG.7F9)
- Cat. 10-0279 APC-Cy7 anti-human CD27 (clone O323)
- Cat. 11-0279 FITC anti-human CD27 (clone O323)
- Cat. 12-0279 PE anti-human CD27 (clone O323)

Cat. 14-0279 Affinity Purified anti-human CD27 (clone O323)  
Cat. 17-0279 APC anti-human CD27 (clone O323)  
Cat. 11-4317 Streptavidin-FITC (Fluorescein isothiocyanate)  
Cat. 12-4317 Streptavidin-PE (Phycoerythrin)  
Cat. 17-4317 Streptavidin Allophycocyanin (SA-APC)  
Cat. 13-4714 Biotin Mouse IgG1, K Isotype Control

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#### References

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Knapp, W., B. Dorken, et al. eds. (1989). Leucocyte Typing IV: White Cell Differentiation Antigens. Oxford University Press. New York.

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