

# CD27 Monoclonal Antibody (O323), Biotin, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Human
Published Species	Human
Host/Isotope	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), Biotin, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	O323
Conjugate	Biotin
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin
Contains	0.09% sodium azide
Storage Conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_466409

Applications	Tested	Dilution	Published
Flow Cytometry (Flow)	✓	1 µg/test	10 Publications

## Product Specific Information

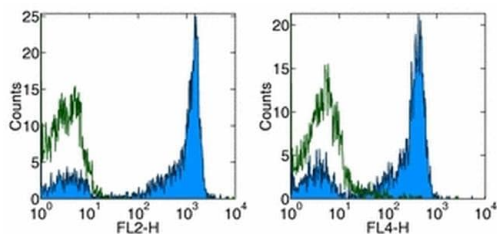
Description: The O323 monoclonal antibody reacts with human CD27, a lymphocyte-specific member of the TNFR superfamily. CD27 is expressed by a subset of thymocytes and virtually all mature T cells and is upregulated upon T-cell stimulation. CD27 binds to CD70, and through this interaction, plays an important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

Applications Reported: 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 normal human peripheral blood cells. This can be used at less than or equal to 1 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Filtration: 0.2 µm post-manufacturing filtered.

## Product Images For CD27 Monoclonal Antibody (O323), Biotin, eBioscience™



### CD27 Antibody (13-0279-82) in Flow

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

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### 10 References

#### Flow Cytometry (10)

##### Oncoimmunology

### Antigen receptor-redirected T cells derived from hematopoietic precursor cells lack expression of the endogenous TCR/CD3 receptor and exhibit specific antitumor capacities.

"Published figure using CD27 monoclonal antibody (Product # 13-0279-82) in Flow Cytometry"

Authors: Van Caeneghem Y, De Munter S, Tieppo P, Goetgeluk G, Weening K, Verstichel G, Bonte S, Taghon T, Leclercq G, Kerre T, Debets R, Vermijlen D, Abken H, Vandekerckhove B

##### Species

Not Applicable

##### Dilution

Not Cited

##### Year

2018

##### Journal of leukocyte biology

### Perturbed CD8<sup>+</sup> T cell immunity across universal influenza epitopes in the elderly.

"Published figure using CD27 monoclonal antibody (Product # 13-0279-82) in Flow Cytometry"

Authors: Nguyen THO, Sant S, Bird NL, Grant EJ, Clemens EB, Koutsakos M, Valkenburg SA, Gras S, Lappas M, Jaworowski A, Crowe J, Loh L, Kedzierska K

##### Species

Not Applicable

##### Dilution

Not Cited

##### Year

2018

[View more Flow references on thermofisher.com](#)

### More applications with references on thermofisher.com

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