

CD27 Monoclonal Antibody (O323), APC, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Cynomolgus monkey, Non-human primate, Human, Mouse, Rhesus monkey
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), APC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	O323
Conjugate	APC
Excitation/Emission Max	651/660 nm
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_10671130

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.25 µg)/test	51 Publications

Product Specific Information

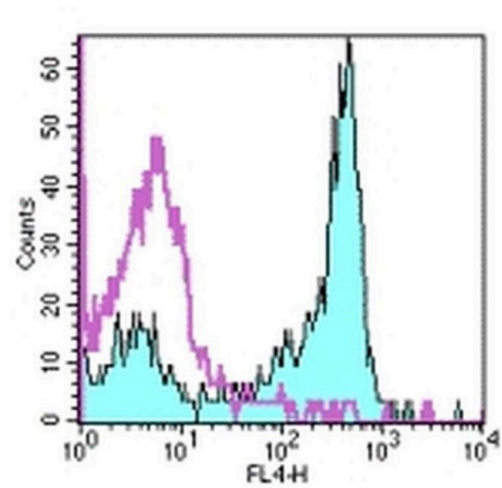
Description: The O323 monoclonal antibody reacts with human CD27, a lymphocyte-specific member of the TNFR superfamily. CD27 is expressed by a subset of thymocytes and virtually all mature T cells and is upregulated upon T-cell stimulation. CD27 binds to CD70, and through this interaction, plays an important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

Applications Reported: The O323 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This O323 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 µL (0.25 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 10⁵ to 10⁸ cells/test.

Excitation: 633-647 nm; **Emission:** 660 nm; **Laser:** Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.



CD27 Antibody (17-0279-42) in Flow
Staining of normal human peripheral blood cells with Mouse IgG1 K Isotype Control APC (Product # 17-4714-81) (open histogram) or Anti-Human CD27 APC (filled histogram). Cells in the lymphocyte gate were used for analysis.

[View more figures on thermofisher.com](#)

51 References

Flow Cytometry (51)

Cell discovery	Year 2023
More than one antibody of individual B cells revealed by single-cell immune profiling.	
"Published figure using CD27 monoclonal antibody (Product # 17-0279-42) in Flow Cytometry"	
Authors: Shi Z,Zhang Q,Yan H,Yang Y,Wang P,Zhang Y,Deng Z,Yu M,Zhou W,Wang Q,Yang X,Mo X,Zhang C,Huang J,Dai H,Sun B,Zhao Y,Zhang L,Yang YG,Qiu X	
Frontiers in immunology	Year 2023
Oxygen level is a critical regulator of human B cell differentiation and IgG class switch recombination.	
"Published figure using CD27 monoclonal antibody (Product # 17-0279-42) in Flow Cytometry"	
Authors: Koers J,Marsman C,Steuten J,Tol S,Derksen NIL,Ten Brinke A,van Ham SM,Rispens T	

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

More applications with references on thermofisher.com

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