

CD27 Monoclonal Antibody (O323), PE, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Human
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), PE, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	O323
Conjugate	PE
Excitation/Emission Max	565/576 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_10718394

Applications	Tested Dilution	Publications
Immunocytochemistry (ICC/IF)	-	1 Publication
Flow Cytometry (Flow)	5 µL (0.25 µg)/test	23 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.

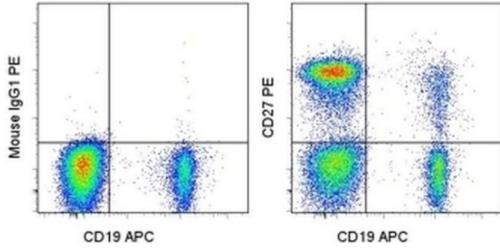
Applications Reported: The O323 antibody has been reported for use in flow cytometric analysis.

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: 488-561 nm; **Emission:** 578 nm; **Laser:** Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.

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



CD27 Antibody (12-0279-42) in Flow

Staining of normal human peripheral blood cells with Anti-Human CD19 APC (Product # 17-0199-42) and Mouse IgG1 K Isotype Control PE (Product # 12-4714-81) (left) or Anti-Human CD27 PE (right). Cells in the lymphocyte gate were used for analysis.

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

24 References

Immunocytochemistry (1)

Journal of immunology research

Effect of Leflunomide on the Abnormal Expression of Lipid Rafts and F-Actin in B Lymphocytes from Patients with Systemic Lupus Erythematosus.

"12-0279 was used in Immunofluorescence to demonstrate that the modulation of B cell expression by leflunomide could be a potential therapeutic target for systemic lupus erythematosus."

Authors: Dong GF,Zhang X,He DN,Li L,Zhang GF

Year
2016

Species
Human

Flow Cytometry (23)

Cell discovery

More than one antibody of individual B cells revealed by single-cell immune profiling.

"Published figure using CD27 monoclonal antibody (Product # 12-0279-42) 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

Year
2023

Frontiers in immunology

Oxygen level is a critical regulator of human B cell differentiation and IgG class switch recombination.

"Published figure using CD27 monoclonal antibody (Product # 12-0279-42) in Flow Cytometry"

Authors: Koers J,Marsman C,Steuten J,Tol S,Derksen NIL,Ten Brinke A,van Ham SM,Rispens T

Year
2023

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More applications with references on thermofisher.com

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