

# CD27 Monoclonal Antibody (O323), Super Bright™ 436, eBioscience™

## Product Details

Size	100 Tests
Species Reactivity	Human
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), Super Bright™ 436, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	O323
Conjugate	Super Bright™ 436
Excitation/Emission Max	413/431 nm
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2637433

## Applications

Flow Cytometry (Flow)

## Tested Dilution

5 µL (0.25 µg)/test

## Publications

11 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:** This 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 10<sup>5</sup> to 10<sup>8</sup> cells/test.

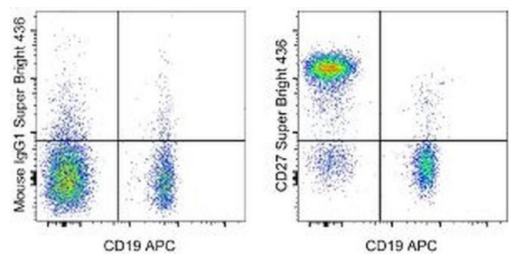
Super Bright 436 can be excited with the violet laser line (405 nm) and emits at 436 nm. We recommend using a 450/50 bandpass filter, or equivalent. Please make sure that your instrument is capable of detecting this fluorochrome.

When using two or more Super Bright dye-conjugated antibodies in a staining panel, it is recommended to use Super Bright Complete Staining Buffer (Product # SB-4401) to minimize any non-specific polymer interactions. Please refer to the datasheet for Super Bright Staining Buffer for more information.

Excitation: 405 nm; Emission: 436 nm; Laser: Violet Laser

Super Bright Polymer Dyes are sold under license from Becton, Dickinson and Company.

Product Images For CD27 Monoclonal Antibody (O323), Super Bright™ 436, eBioscience™



**CD27 Antibody (62-0279-42) in Flow**  
Staining of normal human peripheral blood cells with Anti-Human CD19 APC (Product # 17-0199-42) and Mouse IgG1 K Isotype Control Super Bright 436 (Product # 62-4714-82) (left) or Anti-Human CD27 Super Bright 436 (right). Cells in the lymphocyte gate were used for analysis.

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

11 References

Flow Cytometry (11)

Cell discovery	Year 2023
<b>More than one antibody of individual B cells revealed by single-cell immune profiling.</b>	
"Published figure using CD27 monoclonal antibody (Product # 62-0279-42) 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
<b>Oxygen level is a critical regulator of human B cell differentiation and IgG class switch recombination.</b>	
"Published figure using CD27 monoclonal antibody (Product # 62-0279-42) 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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