

# CD27 Monoclonal Antibody (O323), eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Human
Published Species	Non-human primate, Human, Mouse, Rhesus monkey
Host/Isotype	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	O323
Conjugate	Unconjugated
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C
RRID	AB_467186

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	1 µg/test	21 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.

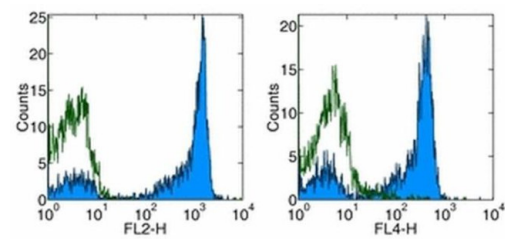
**Applications Tested:** The O323 antibody has been tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at less than or equal to 1 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number 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.

**Purity:** Greater than 90%, as determined by SDS-PAGE.

**Aggregation:** Less than 10%, as determined by HPLC.

**Filtration:** 0.2 µm post-manufacturing filtered.

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



**CD27 Antibody (14-0279-82) 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.

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

📄 21 References

Flow Cytometry (21)

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 # 14-0279-82) 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 # 14-0279-82) 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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