

# CD27 Monoclonal Antibody (O323), eFluor™ 450, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Bacteria, Human
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), eFluor™ 450, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	O323
Conjugate	eFluor™ 450
Excitation/Emission Max	405/445 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_10852844

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.125 µg)/test	14 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.

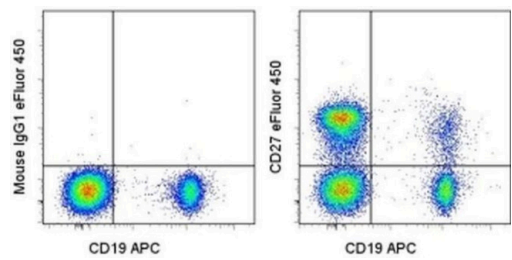
**Applications Tested:** This O323 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 µL (0.125 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells/test.

eFluor® 450 is an alternative to Pacific Blue®. eFluor® 450 emits at 445 nm and is excited with the Violet laser (405 nm). Please make sure that your instrument is capable of detecting this fluorochrome.

**Excitation:** 405 nm; **Emission:** 445 nm; **Laser:** Violet Laser.

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

Product Images For CD27 Monoclonal Antibody (O323), eFluor™ 450, eBioscience™



**CD27 Antibody (48-0279-42) in Flow**  
Staining of normal human peripheral blood cells with Anti-Human CD19 APC (Product # 17-0199-42) and Mouse IgG1 K Isotype Control eFluor® 450 (Product # 48-4714-82) (left) or Anti-Human CD27 eFluor® 450 (right). Cells in the lymphocyte gate were used for analysis.

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

14 References

Flow Cytometry (14)

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 # 48-0279-42) 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	
Aging and disease	Year 2023  Species Bacteria
<b>Microbially-Induced Exosomes from Dendritic Cells Promote Paracrine Immune Senescence: Novel Mechanism of Bone Degenerative Disease in Mice.</b> "48-0279-42 was used in Flow cytometry/Cell sorting to conclude that immune senescence, compounded by advanced age, and accelerated by oral dysbiosis and its induced SASP exosomes, plays a pivotal role in the pathophysiology of experimental periodontitis." Authors: Elsayed R,Elashiry M,Liu Y,Morandini AC,El-Awady A,Elashiry MM,Hamrick M,Cutler CW	

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

More applications with references on thermofisher.com

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