

CD27 Monoclonal Antibody (O323), PerCP-eFluor 710, 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), PerCP-eFluor 710, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	O323
Conjugate	PerCP-eFluor™ 710
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin, 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_1834391

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.06 µg)/test	9 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 (0.06 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.

PerCP-eFluor® 710 emits at 710 nm and is excited with the blue laser (488 nm); it can be used in place of PerCP-Cyanine5.5. We recommend using a 710/50 bandpass filter, however, the 695/40 bandpass filter is an acceptable alternative. Please make sure that your instrument is capable of detecting this fluorochrome.

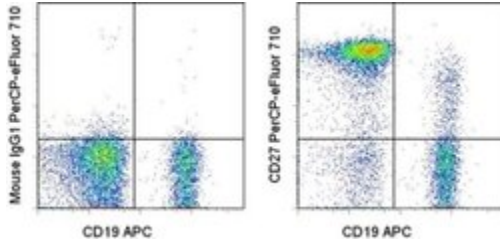
Fixation: Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 µL cell sample + 100 µL IC Fixation Buffer) or 1-step Fix /Lyse Solution (cat. 00-5333) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency /compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific

performance should be determined empirically.

Excitation: 488 nm; Emission: 710 nm; Laser: Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD27 Monoclonal Antibody (O323), PerCP-eFluor 710, eBioscience™



CD27 Antibody (46-0279-42) in Flow

Staining of normal human peripheral blood cells with Anti-Human CD19 APC (Product # 17-0199-42) and Mouse IgG1 K Isotype Control PerCP-eFluor® 710 (Product # 46-4714-82) (left) or Anti-Human CD27 PerCP-eFluor® 710 (right). Cells in the lymphocyte gate were used for analysis.

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

9 References

Flow Cytometry (9)

Cell discovery

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

"Published figure using CD27 monoclonal antibody (Product # 46-0279-42) 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

Species

Not Applicable

Dilution

Not Cited

Year

2021

Oncoimmunology

Antigen receptor-redirected T cells derived from hematopoietic precursor cells lack expression of the endogenous TCR/CD3 receptor and exhibit specific antitumor capacities.

"Published figure using CD27 monoclonal antibody (Product # 46-0279-42) in Flow Cytometry"

Authors: Van Caeneghem Y,De Munter S,Tieppo P,Goetgeluk G,Weening K,Verstichel G,Bonte S,Taghon T,Leclercq G,Kerre T,Debets R,Vermijlen D,Abken H,Vandekerckhove B

Species

Not Applicable

Dilution

Not Cited

Year

2021

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More applications with references on thermofisher.com

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