

CD27 Monoclonal Antibody (O323), APC-eFluor 780, 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), APC-eFluor 780, eBioscience
Class	Monoclonal
Type	Antibody
Clone	O323
Conjugate	APC-eFluor® 780
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_1272040

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.25 µg)/test	22 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 10⁵ to 10⁸ cells/test.

APC-eFluor 780 emits at 780 nm and is excited with the Red laser (633 nm). Please make sure that your instrument is capable of detecting this fluorochrome.

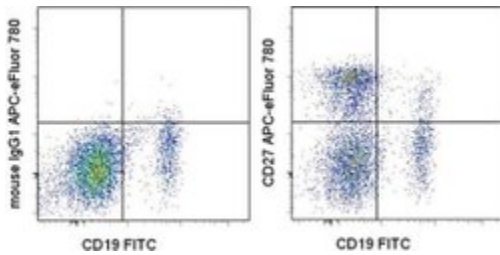
Light sensitivity: This tandem is sensitive to photo-induced oxidation. Please protect this vial and stained samples from light.

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: 633-647 nm; Emission: 780 nm; Laser: Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD27 Monoclonal Antibody (O323), APC-eFluor 780, eBioscience



CD27 Antibody (47-0279-42) in Flow

Staining of normal human peripheral blood cells with Anti-Human CD19 FITC (Product # 11-0199-42) and Mouse IgG1 K Isotype Control APC-eFluor® 780 (Product # 47-4714-82) (left) or Anti-Human CD27 APC-eFluor® 780 (right). Cells in the lymphocyte gate were used for analysis.

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

22 References

Flow Cytometry (22)

Oncoimmunology

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

"47-0279 was used in Flow cytometry/Cell sorting to show that cord blood hematopoietic progenitor cells generate allogeneic CD3-antigen receptor (AR)+T cells which effectively eliminate malignant cells and limit graft versus host disease occurrence."

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

Human
Not Applicable

Dilution
Not Cited
Not Cited

Year
2021

PloS one

Differential adipokine receptor expression on circulating leukocyte subsets in lean and obese children.

"47-0279 was used in Flow cytometry/Cell sorting to assess the expression of adiponectin and leptin receptors on circulating immune cells in obese children pre and post-lifestyle intervention compared to normal weight control children."

Authors: Keustermans G, van der Heijden LB, Boer B, Scholman R, Nuboer R, Pasterkamp G, Prakken B, de Jager W, Kalkhoven E, Janse AJ, Schipper HS

Species
Human

Dilution
Not Cited

Year
2017

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More applications with references on thermofisher.com

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