

# CD28 Monoclonal Antibody (CD28.2), PE, 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), PE, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	CD28.2
Conjugate	PE
Excitation/Emission Max	565/576 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_2016668

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.25 µg)/test	21 Publications

## Product Specific Information

Description: The CD28.2 monoclonal antibody reacts with the human CD28 molecule, a 44 kDa homodimer expressed by thymocytes, mature T cells and plasma cells. CD28 is a ligand for CD80 (B7-1) and CD86 (B7-2) and is a potent co-stimulator of T cells. Signaling through CD28 augments IL-2 and IL-2 receptor expression as well as cytotoxicity of CD3-activated T cells.

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Applications Reported: The CD28.2 antibody has been reported for use in flow cytometric analysis.^M

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Applications Tested: The CD28.2 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 10^5 to 10^8 cells/test.^M

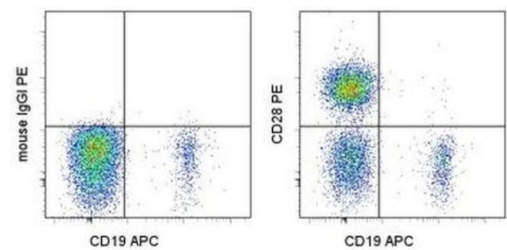
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Excitation: 488-561 nm; Emission: 578 nm; Laser: Blue Laser, Green Laser, Yellow-Green Laser.^M

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Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD28 Monoclonal Antibody (CD28.2), PE, eBioscience™



**CD28 Antibody (12-0289-42) in Flow**  
Staining of normal human peripheral blood cells with Anti-Human CD19 APC (Product # 17-0199-42) and Mouse IgG1 K Isotype Control PE (Product # 12-4714-81) (left) or Anti-Human CD28 PE (right). Cells in the lymphocyte gate were used for analysis.

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21 References

Flow Cytometry (21)

Frontiers in immunology	Year
<b>CHI3L1 enhances melanoma lung metastasis <i>via</i> regulation of T cell co-stimulators and CTLA-4/B7 axis.</b>	2023
"Published figure using CD28 monoclonal antibody (Product # 12-0289-42) in Flow Cytometry"	
Authors: Ma B,Kamle S,Akosman B,Khan H,Lee CM,Lee CG,Elias JA	

Frontiers in immunology	Year
<b>Differences in Maturation Status and Immune Phenotypes of Circulating Helios<sup>+</sup> and Helios<sup>-</sup> Tregs and Their Disrupted Correlations With Monocyte Subsets in Autoantibody-Positive T1D Individuals.</b>	2021
"Published figure using CD28 monoclonal antibody (Product # 12-0289-42) in Flow Cytometry"	
Authors: Zhang Y,Zhang J,Shi Y,Shen M,Lv H,Chen S,Feng Y,Chen H,Xu X,Yang T,Xu K	

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

More applications with references on thermofisher.com

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