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. ^M
^M
Applications Reported: The CD28.2 antibody has been reported for use in flow cytometric analysis.^M
^M
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
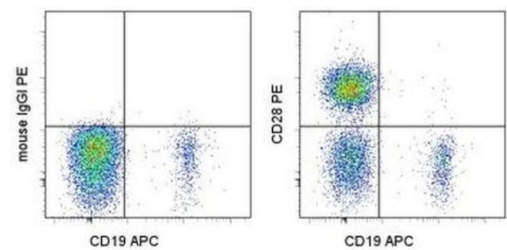^M
Excitation: 488-561 nm; Emission: 578 nm; Laser: Blue Laser, Green Laser, Yellow-Green Laser.^M
^M
Filtration: 0.2 µm post-manufacturing filtered.

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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

CHI3L1 enhances melanoma lung metastasis *via* regulation of T cell co-stimulators and CTLA-4/B7 axis.

"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

Year
2023

Frontiers in immunology

Differences in Maturation Status and Immune Phenotypes of Circulating Helios[+] and Helios[-] Tregs and Their Disrupted Correlations With Monocyte Subsets in Autoantibody-Positive T1D Individuals.

"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

Year
2021

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