

CD28 Monoclonal Antibody (CD28.2), PerCP-Cyanine5.5, eBioscience™

Product Details	
Size	25 Tests
Species Reactivity	Human
Published Species	Cynomolgus monkey, Human, Rhesus monkey
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), PerCP-Cyanine5.5, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	CD28.2
Conjugate	PerCP-Cyanine5.5
Form	Liquid
Concentration	5 µL/Test
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_10717255

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.125 µg)/test	12 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.

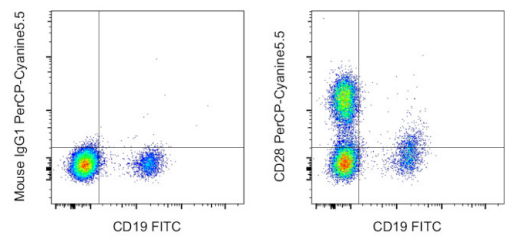
Applications Reported: This CD28.2 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This 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 (0.125 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 10⁵ to 10⁸ cells/test.

Excitation: 488 nm; **Emission:** 695 nm; **Laser:** Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD28 Monoclonal Antibody (CD28.2), PerCP-Cyanine5.5, eBioscience™



CD28 Antibody (45-0289-41) in Flow
Normal human peripheral blood cells were stained with CD19 Monoclonal Antibody, FITC (Product # 11-0199-42) and Mouse IgG1 kappa Isotype Control, PerCP-Cyanine5.5 (Product # 45-4714-82) (left) or CD28 Monoclonal Antibody, PerCP-Cyanine5.5 (right). Cells in the lymphocyte gate were used for analysis.

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12 References

Flow Cytometry (12)

<p>The Journal of cell biology</p> <p>PD-1 and BTLA regulate T cell signaling differentially and only partially through SHP1 and SHP2.</p> <p>"Published figure using CD28 monoclonal antibody (Product # 45-0289-42) in Flow Cytometry"</p> <p>Authors: Xu X,Hou B,Fulzele A,Masubuchi T,Zhao Y,Wu Z,Hu Y,Jiang Y,Ma Y,Wang H,Bennett EJ,Fu G,Hui E</p>	<p>Year 2020</p>
<p>Cancers</p> <p>Selective Killing of Activated T Cells by 5-Aminolevulinic Acid Mediated Photodynamic Effect: Potential Improvement of Extracorporeal Photopheresis.</p> <p>"Published figure using CD28 monoclonal antibody (Product # 45-0289-42) in Flow Cytometry"</p> <p>Authors: Darvekar S,Juzenas P,Oksvold M,Kleinauskas A,Holien T,Christensen E,Stokke T,Sioud M,Peng Q</p>	<p>Year 2020</p>

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