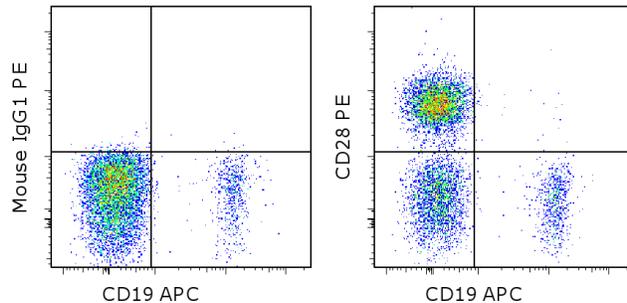


Anti-Human CD28 PE

Catalog Number: 12-0289

RUO: For Research Use Only. Not for use in diagnostic procedures.



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

Product Information



Contents: Anti-Human CD28 PE
Catalog Number: 12-0289
Clone: CD28.2
Concentration: 5 uL (0.25 ug)/test
Host/Isotype: Mouse IgG1, kappa
HLDA Workshop: V 5T CD28.05



Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Temperature Limitation: Store at 2-8°C. Do not freeze. Light sensitive material.
Batch Code: Refer to vial
Use By: Refer to vial
Contains sodium azide

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

The CD28.2 antibody has been reported for use in flow cytometric analysis.

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 10⁵ to 10⁸ cells/test.

References

Karlsson I, Malleret B, Brochard P, Delache B, Calvo J, Le Grand R, Vaslin B. FoxP3+ CD25+ CD8+ T-cell induction during primary simian immunodeficiency virus infection in cynomolgus macaques correlates with low CD4+ T-cell activation and high viral load. *J Virol.* 2007 Dec;81(24):13444-55 (**CD28.1**, NHP crossreactivity)

Battifora M, Pesce G, Paolieri F, Fiorino N, Giordano C, Riccio AM, Torre G, Olive D, Bagnasco M. B7.1 costimulatory molecule is expressed on thyroid follicular cells in Hashimoto's thyroiditis, but not in Graves' disease. *J Clin Endocrinol Metab.* 1998 Nov;83(11):4130-9. (**CD28.1**, IHC frozen)

Nunès J, Klasen S, Ragueneau M, Pavon C, Couez D, Mawas C, Bagnasco M, Olive D. CD28 mAbs with distinct binding properties differ in their ability to induce T cell activation: analysis of early and late activation events. *Int Immunol.* 1993 Mar;5(3):311-5.

Schlossman, S., L. Bloumsell, et al eds. 1995. *Leucocyte Typing V: White Cell Differentiation Antigens.* Oxford

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University Press. New York.

Related Products

00-4222 Flow Cytometry Staining Buffer

12-4714 Mouse IgG1 K Isotype Control PE (P3.6.2.8.1)

17-0199 Anti-Human CD19 APC (HIB19)

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