

CD28 antibody [CD28.2] (PE-Cy7)

Cat. No. GTX00602-10

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Applications	FCM
Reactivity	Human, Baboon, Chimpanzee, Cynomolgus monkey, Rhesus Monkey

References (14)

Package

100 test

PRODUCT

Summary

The CD28.2 antibody reacts with human CD28, a 44 kDa type I surface glycoprotein which acts as a co-stimulatory receptor in support of the T cell receptor (TCR). CD28 exists as a homodimer with specificity for two known ligands, known as B7-1 (CD80) and B7-2 (CD86), which are expressed on activated B cells and antigen-presenting cells. These ligands trigger CD28 signaling in concert with TCR activation to drive T cell proliferation, induce high-level expression of IL-2, impart resistance to apoptosis, and enhance T cell cytotoxicity. The interaction / co-stimulatory signaling between the B7 ligands and CD28 provides crucial communication between T cells and B cells or APCs to coordinate the adaptive immune response. Other members of the CD28 family of receptors include CTLA-4 (CD152), PD-1 (CD279), ICOS and BTLA.

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution

Recommended dilution

FCM

0.25 µg (5 µl) for 10⁵-10⁸ cells in 100 µl sample per test

Not tested in other applications.

Properties

Form Liquid

Buffer 10mM NaH₂PO₄, 150mM NaCl, 0.1% Gelatin

Preservative 0.09% Sodium azide

Storage Store as concentrated solution. Centrifuge briefly prior to opening vial. Store at 4°C. DO NOT FREEZE. Protect from light.

Concentration 0.05 mg/ml (Please refer to the vial label for the specific concentration.)

Immunogen DC28.1.3.3 murine T cell hybridoma transfected with human CD28 cDNA

Purification Purified by affinity chromatography
From tissue culture supernatant

Conjugation Phycoerythrin-Cyanine7 (PE-Cy7) [Wavelength](#)



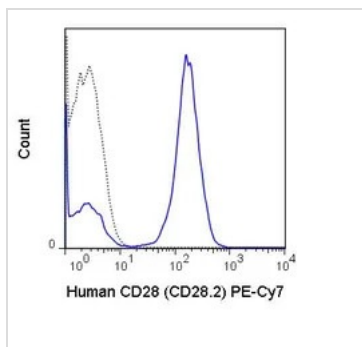
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Note

Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES

**GTX00602-10 FCM Image**

FACS analysis of human peripheral blood lymphocytes using GTX00602-10 CD28 antibody [CD28.2] (PE-Cy7).

Solid line : Primary antibody

Dashed line : PE-Cy7 mouse IgG1 isotype control

Antibody amount : 0.25 µg



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