

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

Cat. No. GTX00602-10

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Application	FACS
Reactivity	Human, Baboon, Chimpanzee, Cynomolgus monkey, Rhesus Monkey

Reference (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.

APPLICATION

Application Note

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

Suggested dilution	Recommended dilution
FACS	0.25 µg (5 µl) for 10 ⁵ -10 ⁸ cells in 100 µl sample per test

Not tested in other applications.

Calculated MW 25 kDa. ([Note](#))

PROPERTIES

Form	Liquid
Buffer	10mM NaH ₂ PO ₄ , 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)

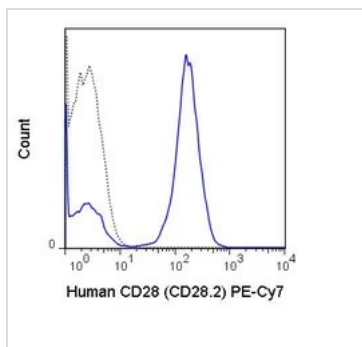


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Note

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 FACS 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 μ g



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