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Datasheet

CD28 monoclonal antibody, clone CD28.2 (PerCP)

Catalog Number: MAB5124

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against CD28.

Clone Name: CD28.2

Immunogen: Native from DC28.1.3.3 hybridoma cells.

Host: Mouse

Reactivity: Human,Primates

Applications: Flow Cyt
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Specificity: This antibody reacts with CD28, a disulfide-linked homodimeric type I glycoprotein (monomer of MW 44 KDa) which is a critical costimulatory receptor of T cells.

Form: Liquid

Conjugation: PerCP

Isotype: IgG1

Recommend Usage: Flow Cytometry (10 ul in human blood cells 100 ul in whole blood or 10^6 cells in a suspension)
The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS (0.2% BSA, 0.09% sodium azide)

Storage Instruction: Store in the dark at 4°C. Do not freeze.
Avoid prolonged exposure to light.
Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 940

Gene Symbol: CD28

Gene Alias: MGC138290, Tp44

Gene Summary: CD28 costimulation is essential for CD4 (MIM 186940)-positive T-cell proliferation, survival, interleukin-2 (IL2; MIM 147680) production, and T-helper type-2 (Th2) development.[supplied by OMIM]

References:

1. Immunization with hepatitis C virus-like particles induces humoral and cellular immune responses in nonhuman primates. Jeong SH, Qiao M, Nascimbeni M, Hu Z, Rehermann B, Murthy K, Liang TJ. J Virol. 2004 Jul;78(13):6995-7003.
2. Degradation of Bcl10 induced by T-cell activation negatively regulates NF-kappa B signaling. Scharschmidt E, Wegener E, Heissmeyer V, Rao A, Krappmann D. Mol Cell Biol. 2004 May;24(9):3860-73.
3. Negative-feedback regulation of CD28 costimulation by a novel mitogen-activated protein kinase phosphatase, MKP6. Marti F, Krause A, Post NH, Lyddane C, Dupont B, Sadelain M, King PD. J Immunol. 2001 Jan 1;166(1):197-206.