

## Datasheet

### CD28 monoclonal antibody, clone CD28.2 (PerCP)

**Catalog Number:** MAB5124

**Regulation 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<sup>6</sup> cells in a suspension)

The optimal working dilution should be determined by the end user.

**Storage Buffer:** In PBS (0.2% BSA, 15 mM 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, Rehmann 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.