

Datasheet

CD28 monoclonal antibody, clone ANC28.1/5D10

Catalog Number: MAB6904

Regulation Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against CD28.

Clone Name: ANC28.1/5D10

Immunogen: A mixture of human CD28 Ig fusion protein and HPB-MLT human tumor cells.

Host: Mouse

Reactivity: Human

Applications: Flow Cyt, IHC-Fr, IP
(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 stimulates expression of IL-2 from CD28+ cells.

Form: Liquid

Isotype: IgG1, kappa

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

Storage Buffer: In 50 mM sodium phosphate buffer, 100 mM potassium Chloride, 150 mM NaCl, pH 7.5 (0.5 mg/mL gentamicin sulfate)

Storage Instruction: Store at 4°C.

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. Signaling signatures and functional properties of anti-human CD28 superagonistic antibodies. Waibler Z, Sender LY, Merten C, Hartig R, Kliche S, Gunzer M, Reichardt P, Kalinke U, Schraven B. PLoS One. 2008 Mar 5;3(3):e1708.
2. Anti-CD28 has a potent adjuvant effect on the antibody response to soluble antigens mediated through CTLA-4 by-pass. Carling J, Barr TA, Buckle AM, Heath AW. Eur J Immunol. 2003 Jan;33(1):135-42.
3. Analysis of the site of interaction of CD28 with its counter-receptors CD80 and CD86 and correlation with function. Kariv I, Truneh A, Sweet RW. J Immunol. 1996 Jul 1;157(1):29-38.