

CD28 monoclonal antibody, clone ANC28.1/5D10

Catalog # MAB6904

Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against CD28.
Immunogen	A mixture of human CD28 Ig fusion protein and HPB-MLT human tumor cells.
Host	Mouse
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.

Applications

- Immunohistochemistry (Frozen sections)
- Immunoprecipitation
- Flow Cytometry

Gene Info — CD28

Entrez GeneID [940](#)

Gene Name CD28

Gene Alias	MGC138290, Tp44
Gene Description	CD28 molecule
Omim ID	186760
Gene Ontology	Hyperlink
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]
Other Designations	CD28 antigen CD28 antigen (Tp44) T-cell-specific surface glycoprotein

Publication Reference

- [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; 3(3):e1708.

Application: Func, Human, Human T cells

- [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.
European Journal of Immunology 2003 Jan; 33(1):135.

Application: Func, Mouse, Mouse serum

- [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.
Journal of Immunology 1996 Jul; 157(1):29.

Application: Func, Mouse, Lmtk L cells

Pathway

- [Allograft rejection](#)
- [Autoimmune thyroid disease](#)
- [Cell adhesion molecules \(CAMs\)](#)
- [Graft-versus-host disease](#)

- [Systemic lupus erythematosus](#)
- [T cell receptor signaling pathway](#)
- [Type I diabetes mellitus](#)

Disease

- [Acute Disease](#)
- [Arthritis](#)
- [Asthma](#)
- [Behcet Syndrome](#)
- [Bronchiolitis](#)
- [Carcinoma](#)
- [Celiac Disease](#)
- [Cholangitis](#)
- [Colon cancer](#)
- [Colorectal Neoplasms](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Drug Eruptions](#)
- [Genetic Predisposition to Disease](#)
- [Hematologic Diseases](#)
- [Hepatitis C](#)
- [Hodgkin Disease](#)
- [Hypersensitivity](#)
- [Infant](#)
- [Kidney Failure](#)
- [Leukemia](#)

- [Lupus Erythematosus](#)
- [Lymphoma](#)
- [Lymphoproliferative Disorders](#)
- [Malignant melanoma](#)
- [Multiple Myeloma](#)
- [Multiple Sclerosis](#)
- [Occupational Diseases](#)
- [Pemphigus](#)
- [Respiratory Syncytial Virus Infections](#)
- [Stroke](#)
- [Uterine Cervical Neoplasms](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)