CD28 monoclonal antibody, clone CD28.2 (PerCP)

Catalog # MAB5124 Size 100 Reactions

Specification

Product Description	Mouse monoclonal antibody raised against CD28.
Immunogen	Native from DC28.1.3.3 hybridoma cells.
Host	Mouse
Reactivity	Human, Primates
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.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Flow Cytometry

Copyright © 2023 Abnova Corporation. All Rights Reserved.

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, interl eukin-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

- 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.

  Journal of Virology 2004 Jul; 78(13):6995.

- Degradation of Bcl10 induced by T-cell activation negatively regulates NF-kappa B signaling.

  Scharschmidt E, Wegener E, Heissmeyer V, Rao A, Krappmann D.

  Molecular and Cellular Biology 2004 May; 24(9):3860.

- 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.

  Journal of Immunology 2001 Jan; 166(1):197.

- Evidence that Langerhans cells in adult pulmonary Langerhans cell histiocytosis are mature dendritic cells: importance of the cytokine microenvironment.

  Tazi A, Moreau J, Bergeron A, Dominique S, Hance AJ, Soler P.

  Journal of Immunology 1999 Sep; 163(6):3511.

  Application: IHC-Fr, Human, Human lung

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Expression of a variant of CD28 on a subpopulation of human NK cells: implications for B7-mediated stimulation of NK cells.

  Galea-Lauri J, Darling D, Gan SU, Krivochtchapov L, Kuiper M, Gaken J, Souberbielle B, Farzaneh F.

  Journal of Immunology 1999 Jul; 163(1):62.

  Application: Flow Cyt, Func, Human, B cells, T 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.