

# CD28 monoclonal antibody (M18), clone 4G11

Catalog # H00000940-M18

Size 100 ug

## Specification

|                                      |                                                                                                                                                  |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>           | Mouse monoclonal antibody raised against a partial recombinant CD28.                                                                             |
| <b>Immunogen</b>                     | CD28 (NP_006130.1, 18 a.a. ~ 152 a.a) partial recombinant protein.                                                                               |
| <b>Sequence</b>                      | GNKILVKQSPMLVAYDNAVNLSCKYSYNLFSREFRASLHKGLDSAVEVCVVYGNYSQQLQVYSKT<br>GFNCDBGKLGNESVTFYLNLYVNQTDIYFCKIEVMYPPPYLDNEKSNGTIIHVKGKHLCPSPFLFPGP<br>SKP |
| <b>Host</b>                          | Mouse                                                                                                                                            |
| <b>Reactivity</b>                    | Human                                                                                                                                            |
| <b>Interspecies Antigen Sequence</b> | Mouse (70)                                                                                                                                       |
| <b>Isotype</b>                       | IgG1 Kappa                                                                                                                                       |
| <b>Quality Control Testing</b>       | Antibody Reactive Against Recombinant Protein.                                                                                                   |
| <b>Storage Buffer</b>                | In 1x PBS, pH 7.4                                                                                                                                |
| <b>Storage Instruction</b>           | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                                                         |

## Applications

- ELISA

## Gene Info — CD28

|                            |                             |
|----------------------------|-----------------------------|
| <b>Entrez GeneID</b>       | <a href="#">940</a>         |
| <b>GeneBank Accession#</b> | <a href="#">NM_006139.3</a> |

|                    |                                                                                                                                                                                                    |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protein Accession# | <a href="#">NP_006130.1</a>                                                                                                                                                                        |
| Gene Name          | CD28                                                                                                                                                                                               |
| Gene Alias         | MGC138290, Tp44                                                                                                                                                                                    |
| Gene Description   | CD28 molecule                                                                                                                                                                                      |
| Omim ID            | <a href="#">186760</a>                                                                                                                                                                             |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                          |
| 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                                                                                                                              |

## 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](#)