



11 Park Drive, Suite 12  
Boston, MA 02215

## Hamster monoclonal anti mouse CD28

(Azide-free & Low endotoxin)

### ORDERING INFORMATION

|                        |                              |
|------------------------|------------------------------|
| <b>Catalog Number:</b> | <b>gAP-0011</b>              |
| <b>Size:</b>           | <b>1.00 mg</b>               |
| <b>Storage:</b>        | <b>&lt; -20° C</b>           |
| <b>Immunogen:</b>      | <b>mouse T-cell lymphoma</b> |
| <b>Ig Type:</b>        | <b>Syrian Hamster IgG</b>    |
| <b>Clone</b>           | <b>AP-MAB0818</b>            |
| <b>Endotoxin Level</b> | <b>&lt; 0.002EU/μg IgG*</b>  |
| <b>Applications:</b>   | <b>See below</b>             |

**Description:** CD28 is a 44 kD glycoprotein, also known as Tp44 or T44. It is a member of the Ig superfamily, expressed on thymocytes, most peripheral T cells, and NK cells. In association with CD80 (B7-1) and CD86 (B7-2), CD28 acts as the second signal for T and NK cell activation and proliferation.

**Preparation:** This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a Hamster immunized with mouse T-cell lymphoma).

**Formulation:** The IgG fraction of **culture supernatant** was purified by Protein A/G affinity chromatography and lyophilized from a 0.2 μm filtered solution in phosphate-buffered saline (PBS, **Azide Free**).

**Reconstitution:** Reconstitute the antibody with sterile PBS and the reconstituted antibody can be aliquoted and stored frozen at < -20 for at least for six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.** Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C.

**Specificity:** The antibody was selected for its ability to detect Thymocytes, CD4+, CD8+ peripheral T cells, NK cells

**\*Endotoxin Level:** Extremely low level of LPS (< 0.002EU/μg IgG)

### **Application(s):**

- 1. Costimulation of T and NK cells (in vivo)**
- 2. Blocking of allogeneic mixed leukocyte response and inhibition of MHC-unrestricted CTL cytotoxicity**
- 3. Induction of thymocyte differentiation**

\* The antibody is produced by in vitro culture.

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