



11 Park Drive, Suite 12  
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## Rat monoclonal anti mouse ICOS (CD278) (Azide-free & Low endotoxin)

### ORDERING INFORMATION

|                 |                                |
|-----------------|--------------------------------|
| Catalog Number: | gAP-0050                       |
| Size:           | 1.00 mg                        |
| Storage:        | < -20° C                       |
| Immunogen:      | Mouse ICOS recombinant protein |
| Ig Type:        | Rat IgG2                       |
| Clone           | AP-MAB0857                     |
| Endotoxin Level | < 0.002EU/μg IgG*              |
| Applications:   | FC and Blocking                |

**Description:** ICOS, a protein of 47-57kD, is also known as inducible costimulatory molecule and H4. This protein is homologous to the CD28/CTLA-4 proteins. ICOS is expressed on activated T cells and a subset of thymocytes and can costimulate T cells and induce proliferation. In addition ICOS has been shown to be involved in humoral immune responses (B cell germinal center formation). The ICOS ligand, B7h/B7RP-1 and B7-H2 is constitutively expressed in B cell areas of secondary lymphoid organs and can be induced in other tissues by LPS. ICOS stimulation has been shown to potentiate TCR-mediated IL-4 and IL-10 production and has been proposed to play a role in Th2 cell development. ICOS stimulation has been shown to be involved in airway tolerance and the downregulation of pulmonary inflammation.

**Preparation:** This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a rat immunized with mouse **Mouse ICOS recombinant protein**).

**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.

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

### Application(s):

1. FC
2. Costimulating T cell activation, proliferation, and humoral immune response

\* The antibody is produced by in vitro culture.

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