

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 and For Research Use Only.**