

Rat monoclonal anti mouse CD275 (B7-RP1)

(Azide-free & Low endotoxin)

ORDERING INFORMATION

Catalog Number:	gAP-0031
Size:	1.00 mg
Storage:	< -20° C
Immunogen:	Mouse B7-RP1 transfected cell line
Ig Type:	Rat IgG2
Clone	AP-MAB0838
Endotoxin Level	< 0.002EU/μg IgG*
Applications:	FC & Blocking

Description: B7-RP1 is a 40 kD protein, also known as ICOS ligand, B7-H2, and B7h. It has recently been clustered as CD275. It is a member of the immunoglobulin receptor superfamily expressed on splenic B cells, dendritic cells and macrophages. The expression of this antigen is increased by TNF- α stimulation and is highly upregulated by local inflammation. B7RP1 binds to ICOS and co-stimulates T cell and B cell responses. Two isoforms of this protein have been reported to occur as a result of alternative splicing. These isoforms show differential tissue distribution.

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a rat immunized with **Mouse B7-RP1 transfected cell line**).

Formulation: The IgG fraction of **culture supernatant** was purified by Protein A/G affinity chromatography and lyophilized from a 0.2 μ m 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. In vitro and in vivo blocking of ligand binding**

*** The antibody is produced by in vitro culture and for Research Use Only**