



11 Park Drive, Suite 12
Boston, MA 02215

Rat monoclonal anti mouse CD70

(Azide-free & Low endotoxin)

ORDERING INFORMATION

Catalog Number:	gAP-0018
Size:	1.00 mg
Storage:	< -20° C
Immunogen:	Mouse B lymphoma
Ig Type:	Rat IgG2
Clone	AP-MAB0825
Endotoxin Level	< 0.002EU/μg IgG*
Applications:	FC, IP, and Blocking

Description: CD70 is a type II transmembrane protein. It is a member of the TNF superfamily, expressed on activated B cells, activated dendritic cells, and some activated T cells (low levels). CD70 interacts with CD27 to promote T-B cell cross-stimulation and co-stimulate B cell proliferation and immunoglobulin production. Cells expressing CD70 can co-stimulate T cell proliferation and enhance the production of cytokines.

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a rat immunized with mouse **B lymphoma** cells

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, and IP
2. Blocking of CD70-CD27 binding in vitro
3. Inhibiting T and NK cell responses

* The antibody is produced by in vitro culture.

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