

Rat anti mouse CD119 (IFN γ Receptor α chain) (Azide-free & Low endotoxin)

ORDERING INFORMATION

Catalog Number:	gAP-0023
Size:	1.00 mg
Storage:	< -20° C
Immunogen:	Mouse monomyelocytic cell line
Ig Type:	Rat IgG2
Clone	AP-MAB0830
Endotoxin Level	< 0.002EU/ μ g IgG*
Applications:	FC & Blocking IFN γ and receptor binding

Description: AP-MAB0830 reacts with CD119, the α chain of the interferon γ (IFN- γ) receptor. This receptor is expressed by mouse leukocytes, endothelial, and epithelial cells, but not by mature erythrocytes. This antibody recognizes an epitope (susceptible to certain fixatives) in the ligand-binding site of the receptor. It can block the binding of mouse IFN- γ ; therefore, it can inhibit IFN- γ mediated effects including the activation of mouse macrophages for tumor cell killing. IFN- γ has been reported to induce the expression of Ly-6A/E antigen on cell lines and normal B lymphocytes, and the AP-MAB0830 antibody is capable of inhibiting the IFN- γ -induced expression of Ly-6A/E on the mouse B lymphoma line A20. The binding of the AP-MAB0830 antibody to CD119 is inhibited by IFN- γ . This antibody reportedly does not have any agonist effect.

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a rat immunized with **Mouse stromal cells from bone marrow**).

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/ μ g IgG)

Application(s):

1. FC
2. Blocking IFN γ and receptor binding

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