

Rat monoclonal anti human IL-4 **(Azide-free & Low endotoxin)**

ORDERING INFORMATION

Catalog Number:	gAP-0227
Size:	1.00 mg
Storage:	< -20° C
Immunogen:	Recombinant human IL-4
Ig Type:	Rat IgG1
Clone	AP-MAB1627
Endotoxin Level	< 0.002EU/μg IgG*
Applications:	FC, IHC, ICC and Neutralization

Description: IL-4 is a pleiotropic cytokine that is produced by activated T cells, mast cells, and basophils. IL-4 elicits many different biological responses but has two dominant functions. The first is regulating differentiation of naïve CD4+ T cell to the Th2 type. Th2 cells produce IL-4, IL-5, IL-10, and IL-13, which tend to favor a humoral immune response while suppressing a cell-mediated immune response controlled by Th1 cells. The second is regulating IgE and IgG1 production by B cells.

Preparation: This antibody was produced from a hybridoma (rat myeloma fused with spleen cells from a rat immunized with **Recombinant human IL-4**).

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. IHC and ICC**
- 3. Neutralization**

*** The antibody is produced by in vitro culture and for research use only**