

Rat monoclonal anti mouse CD126 (IL-6R α chain) (Azide-free & Low endotoxin)

ORDERING INFORMATION

Catalog Number:	gAP-0041
Size:	1.00 mg
Storage:	< -20° C
Immunogen:	Mouse recombinant IL-6R α chain
Ig Type:	Rat IgG2
Clone	AP-MAB0848
Endotoxin Level	< 0.002EU/μg IgG*
Applications:	FC, IP & Blocking

Description: CD126 is an 80 kD IL-6 receptor α chain also known as IL-6R. It is a member of the immunoglobulin superfamily that is expressed on activated T and B cells, monocytes, hepatocytes, and plasma cells. High affinity IL-6 receptors are formed by the non-covalent association of CD126 and the IL-6 receptor β chain (CD130 or gp130). CD126 binds IL-6 with low affinity, but does not signal. The β chain (gp130, CD130) does not bind IL-6 by itself, but associates with the α -chain/IL-6 complex to initiate signal transduction. IL-6 binding to the receptor complex results in the stimulation of B and T cells, and hematopoietic precursor stimulation and differentiation.

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a rat immunized with **Mouse recombinant IL-6R α chain**).

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 and IP
2. Blocking IL-6/IL-6R interactions

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