

Mouse monoclonal anti human IL-7

(Azide-free & Low endotoxin)

ORDERING INFORMATION

Catalog Number:	gAP-0225
Size:	1.00 mg
Storage:	< -20° C
Immunogen:	Recombinant human IL-7
Ig Type:	Mouse IgG2b
Clone	AP-MAB1625
Endotoxin Level	< 0.002EU/μg IgG*
Applications:	In vitro and vivo neutralization

Description: Human IL-7 is a 20-28 kDa hematopoietic growth factor secreted by stromal cells in the bone marrow and thymus. IL-7 is also produced by keratinocytes, dendritic cells, hepatocytes, neurons, and epithelial cells. IL-7 binds to the IL-7 receptor, a heterodimer consisting of IL-7 receptor alpha and the common gamma chain receptor. Binding results in stimulation of differentiation of pluripotent hematopoietic stem cells into lymphoid progenitor cells and proliferation of all lymphoid cells. IL-7 is also important for proliferation of pre-B cells as well as T and NK cell survival, development and homeostasis.

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a mouse immunized with **Fc-fusion human PD-1 protein**).

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. In vivo IL-7 neutralization**
- 2. in vivo IL-7 receptor stimulation (as a complex with IL-7)**
(This clone is cross reactive to mouse IL-7)

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