

Mouse monoclonal anti human CD47

(Azide-free & Low endotoxin)

ORDERING INFORMATION

Catalog Number:	gAP-0212
Size:	1.00 mg
Storage:	< -20° C
Immunogen:	Recombinant human CD47
Ig Type:	Mouse IgG1
Clone	AP-MAB1612
Endotoxin Level	< 0.002EU/μg IgG*
Applications:	FC and Neutralization

Description: Human CD47 is also known as integrin-associated protein (IAP), and neuropilin. CD47 is an approximately 50 kDa glycosylated five transmembrane protein that is ubiquitously expressed by both hematopoietic cells such as T and B lymphocytes, monocytes, platelets and erythrocytes and non-hematopoietic cells. CD47 is involved in a range of cellular processes, including apoptosis, proliferation, adhesion, and migration. Furthermore, it plays a key role in immune and angiogenic responses. CD47 is a receptor for thrombospondin-1 (TSP-1), a secreted glycoprotein that plays a role in vascular development and angiogenesis. CD47 Is has been found to be overexpressed in many different tumor cells. Because of this, anti-CD47 monoclonal antibodies have been proposed and studied as a therapeutic treatment for human cancers. The B6H12 antibody has been shown to neutralize CD47 and inhibit the growth of hepatocellular carcinoma cells in vitro.

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a mouse immunized with **Recombinant Human CD47**).

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. **Neutralization (in vitro and in vivo)**

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