

Mouse monoclonal anti human CD40

(Azide-free & Low endotoxin)

ORDERING INFORMATION

Catalog Number:	gAP-0219
Size:	1.00 mg
Storage:	< -20° C
Immunogen:	Recombinant human CD40
Ig Type:	Mouse IgG1
Clone	AP-MAB1619
Endotoxin Level	< 0.002EU/μg IgG*
Applications:	IHC, FC and Blocking

Description: Human CD40, also known as Bp50, is a 48 kDa type I transmembrane glycoprotein that belongs to the tumor necrosis factor receptor (TNFR) superfamily. CD40 is expressed broadly on antigen-presenting cells (APCs) such as dendritic cells, B cells, macrophages, and monocytes as well as non-immune endothelial cells, basal epithelial cells, and a range of tumors. Upon binding to its ligand CD154, CD40 acts as a costimulatory molecule for the activation of B cells, dendritic cells, monocytes, and other APCs. CD40 plays roles in B cell activation, differentiation, proliferation and Ig isotype switching as well as dendritic cell maturation. Agonistic CD40 monoclonal antibodies have been shown to activate APCs and promote anti-tumor T cell responses.

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a mouse immunized with **Recombinant Human CD40**).

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 vitro B cell stimulation**
- 2. in vitro macrophage stimulation**
- 3. Functional assays**
- 4. FC**

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