

Mouse monoclonal anti human CD4

(Azide-free & Low endotoxin)

ORDERING INFORMATION

Catalog Number:	gAP-0229
Size:	1.00 mg
Storage:	< -20° C
Immunogen:	Recombinant human CD4
Ig Type:	Mouse IgG2b
Clone	AP-MAB1629
Endotoxin Level	< 0.002EU/μg IgG*
Applications:	FC, IHC, and Functional assays

Description: CD4, also known as T4, is a 55 kD single-chain type I transmembrane glycoprotein expressed on most thymocytes, a subset of T cells, and monocytes/macrophages. CD4, a member of the Ig superfamily, recognizes antigens associated with MHC class II molecules and participates in cell-cell interactions, thymic differentiation, and signal transduction. CD4 acts as a primary receptor for HIV, binding to HIV gp120. CD4 has also been shown to interact with IL-16.

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a mouse immunized with **Recombinant human CD4**).

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 (frozen) and ICC**
- 3. Inhibition of T cell activation**

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