

Hamster monoclonal anti mouse CD152 (CTLA-4) (Azide-free & Low endotoxin)

ORDERING INFORMATION

Catalog Number:	gAP-0028
Size:	1.00 mg
Storage:	< -20° C
Immunogen:	Mouse CTLA-4 protein
Ig Type:	Hamster IgG
Clone	AP-MAB0835
Endotoxin Level	< 0.002EU/μg IgG*
Applications:	FC and Blocking

Description: CD152 is a 33 kD member of the immunoglobulin superfamily also known as CTLA-4 or Ly-56. It is expressed on activated T and B lymphocytes. CD152 is similar to CD28 in amino acid sequence, structure, and genomic organization and these two receptors share common B7 family counter-receptors (B7-1, B7-2). Whereas CD28 delivers a costimulatory signal in T cell activation, CTLA-4 negatively regulates cell-mediated immune responses. CD152 is thought to play a role in the induction and maintenance of immunological tolerance, as well as the development of protective immunity and thymocyte regulation.

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a Hamster immunized with **Mouse CTLA-4 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. **FC**
2. **In vitro stimulation**
3. **In vitro and in vivo blocking of ligand binding**

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