ANGIO-PROTEOMIE

DATA SHEET

Mouse monoclonal anti human CD152 (CTLA-4)

(Azide-free & Low endotoxin)

ORDERING INFORMATION

Catalog Number:	**gAP-0215**
Size:	**1.00 mg**
Storage:	**< -20° C**
Immunogen:	**Recombinant human CD152 (CTLA-4)**
Ig Type:	**Mouse IgG2a**
Clone	**AP-MAB1615**
Endotoxin Level	**< 0.002EU/µg IgG***
Applications:	**FC and Neutralization**

Description: Human CTLA-4 (cytotoxic T lymphocyte antigen-4), also known as CD152, is a 33 kDa cell surface receptor encoded by the Ctla4 gene that belongs to the CD28 family of the Ig superfamily. CTLA-4 is expressed on activated T and B lymphocytes. CTLA-4 is structurally similar to the T-cell co-stimulatory protein, CD28, and both molecules bind to the B7 family members B7-1 (CD80) and B7-2 (CD86). Upon ligand binding, CTLA-4 negatively regulates cell-mediated immune responses. CTLA-4 plays roles in induction and/or maintenance of immunological tolerance, thymocyte development, and regulation of protective immunity. The critical role of CTLA-4 in immune down-regulation has been demonstrated in CTLA-4 deficient mice, which succumb at 3-5 weeks of age due to the development of a lymphoproliferative disease. CTLA-4 is among a group of inhibitory receptors being explored as cancer treatment targets through immune checkpoint blockade.

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a mouse immunized with **Recombinant Human CD152 (CTLA-4)**.

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**

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

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