ANGIO-PROTEOMIE

DATA SHEET

Rat monoclonal anti mouse GITR

(Azide-free & Low endotoxin)

ORDERING INFORMATION

Catalog Number:	**gAP-0053**
Size:	**1.00 mg**
Storage:	**< -20° C**
Immunogen:	**mouse CD25+CD4+ T cells**
Ig Type:	**Rat IgG2**
Clone	**AP-MAB0860**
Endotoxin Level	**< 0.002EU/µg IgG***
Applications:	**FC and Blocking**

Description: GITR, glucocorticoid-induced TNFR-related gene, is a member of the TNF receptor superfamily, also known as TNFRSF18, and AITR (in humans). It is expressed at low levels on resting T lymphocytes and at high levels on CD25+CD4+Treg cells. The expression of GITR on T cells can be upregulated upon activation. Interaction of GITR with its ligand (GITRL) has been demonstrated to augment T cell activation, proliferation, cytokine production, as well as MAPKs and NF-kB activation, and abrogate the inhibitory function of CD25+CD4+ T reg cells. In vivo activation of GITR causes development of autoimmune diseases and restores the suppressed immune response.

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a rat immunized with **mouse CD25+CD4+ T cells**.

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. **Blocking mouse GITR (in vitro and in vivo)**

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

11 Park Drive, Boston, MA 02215, USA | Tel: 617-549-2665 | Fax: 480- 247-4337 | E-mail: angioproteomie@gmail.com