



11 Park Drive, Suite 12
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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-κB 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.**

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