

Mouse monoclonal anti human TGF-beta (1,2,3) **(Azide-free & Low endotoxin)**

ORDERING INFORMATION

Catalog Number:	gAP-0201
Size:	1.00 mg
Storage:	< -20° C
Immunogen:	Human recombinant TGFβ1
Ig Type:	Mouse IgG1
Clone	AP-MAB1601
Endotoxin Level	< 0.002EU/μg IgG*
Applications:	IHC and Neutralization

Description: TGF beta 1 is synthesized as a long precursor polypeptide, which is cleaved to yield the mature protein and the Latency Associated Peptide (LAP). LAP and mature TGF beta 1 remain non-covalently associated during secretion, forming homodimers known as the Small Latent Complex (SLC). The bioactivity of mature TGF beta 1 is dependent on its release from LAP by conformational changes and proteolytic processing. Its activities include inhibition of cell growth in epithelial cells, endothelial cells, fibroblasts, neurons, lymphoid cells, and other hematopoietic cell types. TGF beta 1 also inhibits the proliferation of T and NK cells, downregulates the activities of activated macrophages, and blocks the anti-tumor activity of IL-2 – bearing lymphokine-activated killer (LAK) cells.

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a mouse immunized with **human TGFβ1 recombinant 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. IHC**
- 2. Neutralization of TGFβ (1, 2 and 3, in vivo and in vitro)**
(This clone is cross reactive to mouse, rat, hamster, canine and non-human primate)

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