

Rat monoclonal anti mouse TNF- α **(Azide-free & Low endotoxin)**

ORDERING INFORMATION

Catalog Number:	gAP-0049
Size:	1.00 mg
Storage:	< -20° C
Immunogen:	Recombinant mouse TNF-α
Ig Type:	Rat IgG1
Clone	AP-MAB0856
Endotoxin Level	< 0.002EU/μg IgG*
Applications:	Neutralizing

Description: TNF- α is secreted by macrophages, monocytes, neutrophils, T-cells (principally CD4⁺), and NK-cells. Many transformed cell lines also secrete TNF- α . Monomeric mouse TNF- α is 156 amino acid protein (N-glycosylated) with a reported molecular weight of 17.5 kD protein. TNF- α forms multimeric complexes; stable trimers are most common in solution. A 26 kD membrane form of TNF- α has also been described. TNF- α binding to surface receptors elicits a wide array of biologic activities including: cytolysis and cytostasis of many tumor cell lines *in vitro*, hemorrhagic necrosis of tumors *in vivo*, increased fibroblast proliferation, and enhanced chemotaxis and phagocytosis in neutrophils.

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a rat immunized with **recombinant mouse TNF- α**).

Formulation: The IgG fraction of **culture supernatant** was purified by Protein A/G affinity chromatography and lyophilized from a 0.2 μ m 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/ μ g IgG)

Application(s):

1. **Neutralizing bioactivity of natural or recombinant TNF- α**

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