



International Corporation

RESEARCH USE ONLY

MONOCLONAL ANTIBODY

Rat Anti-Tumor Necrosis Factor α (TNF- α)

Code No. AT-3045	Clone: MP6-XT3	Isotype: Rat IgG1	Quantity: 0.05 mg/0.5 mL
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PRODUCT: Purified immunoglobulin in phosphate buffered saline, pH 7.2.

PURIFICATION: Purified from ascites by Protein A/G affinity chromatography.

SPECIFICITY: Recognizes natural and recombinant TNF- α .

APPLICATIONS: This antibody is suitable for use in ELISA format as a coating antibody and in neutralization studies. Immediately prior to use as a coating antibody in ELISA, dilute this preparation to a final concentration of 1-5 $\mu\text{g/mL}$, and coat each well of a microtiter plate with 100 μL . A general ELISA procedure is available upon request. The optimal antibody concentration should be determined for each specific application.

STORAGE: Store at -20°C . Further dilutions should be made with endotoxin-free medium or buffered solution with carrier protein, such as RPMI 1640 with 10% fetal calf serum.

REFERENCES: Abrams, J.S., M.G. Roncarolo, H. Yssel, U. Andersson, G.J. Gleich, and J.E. Silver (1992) Strategies of anti-cytokine monoclonal antibody development: immunoassay of IL-10 and IL-5 in clinical samples. *Immunological Review* **127**: 5-24.

Huang, X., S.A. McClellan, R.P. Barrett, and L.D. Hazlett (2002) IL-18 contributes to host resistance against infection with *Pseudomonas aeruginosa* through induction of IFN-gamma production. *J. Immunol.* **168(11)**: 5756-5763.