

## Anti-Mouse TNF- $\alpha$ Purified Monoclonal Rat Antibody

- Code:** 212-01-164AX **Lot no.:**
- Isotype:** Rat IgG1 **Expiration:** 1 year from date of dispatch
- Clone:** MP6-XT22
- Quantity:** 100  $\mu$ g purified antibody in 0.1 ml of PBS pH 7.4 with 0.1% (w/v) sodium azide
- Immunogen:** Recombinant mouse TNF- $\alpha$  expressed in *E. coli* was used as immunogen.
- Purification:** Protein G affinity chromatography.
- Reactivity:** The clone MP6-XT22 antibody reacts with mouse Tumour Necrosis Factor- $\alpha$  (TNF- $\alpha$ ).
- Applications:** The purified form of this clone can be used for the following procedures:  
Immunochemistry of frozen sections and cytopins<sup>1,2</sup>  
Neutralisation<sup>3,4,5</sup>  
Flow cytometry (intracellular staining). This clone may also be used as a blocking control for intracellular staining.<sup>6</sup>  
Western blotting procedures (1-5  $\square$ g/ml detect about 100 ng per lane of recombinant mouse TNF- $\alpha$  under reducing conditions).  
We recommend that each laboratory determine an optimum working titre for use in its particular application.

- References:**
1. Litton, M.J. et al. (1994). *J. Immunol. Meth.* 175: 47-58.
  2. Hunter, C.A. et al. (1994). *J. Infectious Diseases* 170: 939-945.
  3. Spaner, D., et al. (1998). A role for perforin in activation-induced cell death. *J. Immunol.* 160, 2655-2664.
  4. Hoffman, K.F., et al. (1998). IFN-gamma, IL-12, and TNF-alpha are required to maintain reduced liver pathology in mice vaccinated with *Schistosoma mansoni* eggs and IL-12. *J. Immunol.* 161, 4201-4210.
  5. Abrams, J.S., et al. (1992). Strategies of anti-cytokine monoclonal antibody development: immunoassay of IL-10 and IL-5 in clinical samples. *Immunol. Rev.* 127, 5-24.
  6. Prussin, C. and D. Metcalfe. 1995. Detection of intracytoplasmic cytokine using flow cytometry and directly conjugated anti-cytokine antibodies. *J. Immunol Meth.* 188:117-128.

**Storage:** For use within 1 month store at +4°C, for long term storage aliquot antibody into small volumes and store at -20°C. Avoid repeated freeze thaw cycles.

**For Research Use Only. Not For Diagnostic or Therapeutic Use.**

**Conditions:** The information disclosed herein is not be construed as a recommendation to use the above product in violation of any patents. ImmunoKontakt will not be held responsible for patent infringement or other violations that may occur with the use of our products.

**Preservatives:** Sodium azide (NaN<sub>3</sub>) was added as a preservative to prevent bacterial contamination. Since sodium azide yields highly toxic hydrazoic acid under acidic conditions it is important to dilute azide compounds in running water before discarding.

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