



## CELL LAB Rat Anti-Mouse TNF- $\alpha$

Cat. No.	Form	Quantity
731825	Purified (UNLB) Antibody	0.5 mg
731826	Biotin (BIOT) Conjugate	0.5 mg

### For Laboratory Use Only

#### DESCRIPTION

**Clone:** MP6-XT22  
**Immunogen:** *E. coli*-expressed recombinant mouse TNF- $\alpha$   
**Isotype:** Rat IgG1 $\kappa$   
**Specificity:** Mouse Tumor Necrosis Factor- $\alpha$  (TNF- $\alpha$ )<sup>1-3</sup>

#### APPLICATIONS

**Enzyme-Linked Immunosorbent Assay (ELISA) Detection:** MP6-XT22 monoclonal antibody is useful as a capture antibody in a sandwich ELISA for quantifying mouse TNF- $\alpha$  protein levels. Purified MP6-XT22 antibody should be paired with a suitably labeled detection antibody as the detection antibody, with purified recombinant mouse TNF- $\alpha$  as the standard.

**Western Blotting:** The purified MP6-XT22 antibody is also useful for Western blotting applications. For Western blotting, a concentration of 1-5  $\mu$ g/mL (in conjunction with AP-labeled Goat Anti-Rat Ig, Cat. No. 732647) has been found to enable detection of  $\leq$ 100 ng/lane of recombinant mouse TNF- $\alpha$  under reducing conditions.

#### CHARACTERIZATION

To ensure lot-to-lot consistency, each batch of product is tested to conform with characteristics of a standard reference reagent using a sandwich ELISA.

#### WORKING DILUTIONS

**Other Applications:** Since applications vary, determine the optimum working dilution of the product that is appropriate for your specific needs.

#### HANDLING AND STORAGE

- The purified (UNLB) antibody is supplied as 0.5 mg of purified immunoglobulin in 1.0 mL of 100 mM borate buffered saline, pH 8.2. No preservatives or amine-containing buffer salts added.
- The biotin (BIOT) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN<sub>3</sub>.
- Reagent is stable until the expiration date on the vial when stored at 2-8°C.

#### STATEMENT OF WARNINGS

1. Specimens, samples and all material coming in contact with them should be handled as if capable of transmitting infection and disposed of with proper precautions.
2. Never pipet by mouth and avoid contact of samples with skin and mucous membranes.
3. Do not use reagent beyond the expiration date on the vial label.

4. Avoid microbial contamination of reagent or erroneous results may occur.
5. Use Good Laboratory Practice (GLP) when handling this reagent.
6. Harmful if swallowed.
7. After contact with skin, wash immediately with plenty of water.
8. Contains sodium azide. Sodium azide under acidic conditions yields hydrazoic acid, an extremely toxic compound. Azide compounds should be flushed with running water while being discarded. These precautions are recommended to avoid deposits in metal piping in which explosive conditions can develop. If skin or eye contact occurs, immediately wash excessively with water.

## TRADEMARKS

The Beckman Coulter logo is a trademark of Beckman Coulter, Inc.

For additional information or if damaged product is received, contact your local Beckman Coulter Representative.

## REFERENCES

1. Abrams JS, Roncarolo MG, Yssel H, Andersson U, Gleich GJ, and Silver JE. 1992. Strategies of anti-cytokine monoclonal antibody development: Immunoassay of IL-10 and IL-5 in clinical samples. *Immunol Rev*, 127:5-24.
2. Litton MJ, Sander B, Murphy E, and Abrams JS. 1994. Early expression of cytokines in lymph nodes after treatment in vivo with Staphylococcus enterptoxin B. *J Immunol Meth*, 175:47-58.
3. Abrams J. "Immunoenzymetric assay of mouse and human cytokines using NIP-labeled anti-cytokine antibodies," published in *Current Protocols in Immunology*, eds., J Coligan, A Kruisbeek, D Margulies, E Shevach, and W Strober (New York: John Wiley and Sons. Unit 6.20, 1997).



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