

**BACKGROUND**

Rat, mouse and rabbit tumor necrosis factor -  $\alpha$  (TNF-  $\alpha$ ) are a polypeptide of 156 amino acid residues. The apparent molecular masses of TNF-  $\alpha$  under denaturing conditions are 17KDa. <sup>23)</sup> Current evidence suggests that the membrane anchored form of TNF-  $\alpha$  that exists on the surface of macrophages and/or monocytes in addition to serving as a reservoir for release of soluble TNF-  $\alpha$  has cytotoxic activity. <sup>45)</sup>

**IMMUNOGEN:** Recombinant TNF-  $\alpha$  (Rat)

**for ELISA:** Approximately 0.05-0.14ng/well of recombinant rat TNF-  $\alpha$  can be detected using an antiserum concentration of dilution ratio x10000.

**for WESTERN BLOTTING:**

An antiserum concentration of dilution ratio x1000 will allow visualization of 0.3-0.1ng/lane of recombinant rat TNF-  $\alpha$  under reducing condition.

**SPECIFICITY:**

TNF- $\alpha$ (Rat) 100%,	TNF- $\alpha$ (Human) 26.2%
IL-1 $\alpha$ (Rat) <0.01%,	IL-1 $\alpha$ (Human) <0.01%
IL-1 $\beta$ (Rat) <0.01%,	IL-1 $\beta$ (Human) <0.01%
Other Cytokines <0.01%	

**RELATED ANTISERA:** Goat Anti TNF-  $\alpha$  (Rat) Serum YC 031  
Anti TNF-  $\alpha$  (Rat) Monoclonal antibody YC 032

**RELATED PEPTIDES:** TNF-  $\alpha$  , TNF-  $\beta$  , Other Cytokines

**STORAGE:** Keep frozen below -20°C  
Avoid repeated freezing-thawing

**REFERENCES:**

- 1) J.Vilcek and T.H. Lee, J.Biol.Chem.,266: 7313,1991
- 2) B.B. Aggarwal, B.Moffat, R.N.Harkins. J.Biol.Chem., 259: 686,1984
- 3) B.B.Aggarwal, W.J.Kohr, P.E.Hass, B.Moffat, S.A.Spencer, W.J.Henzel, T.S.Bringman, G.E.Nedwin, D.V. Goeddel, R.N.Harkins. J.Biol.Chem. 260: 2345,1985
- 4) M.Kriegler, C.Perez, K.DeFay, I.Albert, S.D.Lu. Cell. 53: 45,1988
- 5) B.Luettig, T.Decker, M.L.Lohmann-Matthes. J.Immunol. 143: 4034,1989

**FOR RESEARCH LABORATORY USE ONLY**

DO NOT USE ORGANIC SOLVENTS FOR DISSOLVING ANTISERUM