

BACKGROUND

Rat, mouse and rabbit tumor necrosis factor - α (TNF- α) are a polypeptide of 156 amino acid residues. The apparent molecular masses of TNF- α under denaturing conditions are 17KDa.²³⁾ Current evidence suggests that the membrane anchored form of TNF- α that exists on the surface of macrophages and/or monocytes in addition to serving as a reservoir for release of soluble TNF- α has cytotoxic activity.⁴³⁾

IMMUNOGEN: Recombinant TNF- α (Rat)

for ELISA: Approximately 0.05-0.14ng/well of recombinant rat TNF- α 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- α under reducing condition.

SPECIFICITY:

TNF- α (Rat) 100%,	TNF- α (Human) 26.2%
IL-1 α (Rat) <0.01%,	IL-1 α (Human) <0.01%
IL-1 β (Rat) <0.01%,	IL-1 β (Human) <0.01%
Other Cytokines <0.01%	

RELATED ANTISERA: Goat Anti TNF- α (Rat) Serum YC 031
Anti TNF- α (Rat) Monoclonal antibody YC 032

RELATED PEPTIDES: TNF- α , TNF- β , Other Cytokines

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

REFERENCES:

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- 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

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