

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. ⁴⁵⁾

IMMUNOGEN: Recombinant TNF- α (Rat)

ANTIBODY TYPE: IgG1/k

for ELISA: Approximately 0.4-1.2ng/well of recombinant rat TNF- α can be detected using an antiserum concentration of x1000.

for WESTERN BLOTTING:

An antibody concentration of dilution ratio x1000 will allow visualization of 30-10ng/lane of recombinant rat TNF- α under reducing condition.

SPECIFICITY: TNF- α (Rat) 100%, TNF- α (Human) <0.05%
IL-1 α (Rat) < 0.05%, IL-1 α (Human) < 0.05%
IL-1 β (Rat) < 0.05%, IL-1 β (Human) < 0.05%
Other cytokines < 0.05%

RELATED ANTISERA: Rabbit Anti TNF- α (Rat) Serum YC 030
Goat Anti TNF- α (Rat) Serum YC 031

RELATED PEPTIDES: TNF- α , TNF- β , 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