



Anti IL-1α(Rat) Serum Cat. No. YII-YC011-EX

Description: Interleukin 1 (IL-1) consists of two proteins, IL-1α and IL-1β, which are the products of distinct genes, but which recognize the same cell surface receptors. IL-1α and IL-1β show approximately 25% identity in the amino acid sequence. Both IL-1α and IL-1β are synthesized as 31K Da precursors that are subsequently cleaved into proteins with molecular weights of approximately 17KDa. Among various species, the amino acid sequences of mature IL-1α is conserved 60% to 70%, while that of the mature IL-1β conserved 75% to 78%. Both IL-1α and IL-1β have glycosylation sites, but non-glycosylated recombinant products have biological activities similar to the naturally occurring forms of the molecules.

Immunogen: Recombinant IL-1α (Rat) **Host**: Goat

for ELISA: Approximately 0.02-0.14 ng/well of recombinant rat IL-1α can be detected

using an antiserum concentration of dilution ratio x1000.

for WB: An antiserum concentration of dilution ratio x1000 will allow visualization

of 0.01-0.003 ng/lane of recombinant rat IL-1α under reducing condition.

Specificity: IL-1 α (Rat) 100%, IL-1 α (Human) 5.9%

IL-1 β (Rat) <0.5% IL-1 β (Human) <0.5% TNF- α (Rat) <0.5% TNF- α (Human) <0.5%

Other Cytokines <0.5%

Related Antisera: Rabbit Anti IL-1α(Rat) Serum YII-YC010-EX

Rabbit Anti IL-1β(Rat) Serum YII-YC020-EX Goat Anti IL-1β(Rat) Serum YII-YC021-EX

Anti IL-1β(Rat) Monoclonal Antibody YII-YC022-EX

Related Peptides: IL-1 β , TNF- α , TNF- β , Other Cytokines

Storage: Keep frozen below -20°C

Avoid repeated freezing-thawing.

REFERENCES:

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- DJ Hazuda, J Stricker, F Kueppers, PL Simon, and PR Young., J.Biol.Chem., 265:6318-6322, 1990
- 4) Dodds RA, Merry K, Littlewood A, Gowen M.J., Histochem. Cytochem., 42:733-744, 1994
- 5) Dinarello CA., Blood, 77:1627-1652, 1991
- 6) Casagli MC, Borri MG, Bigio M, Rossi R, Nucci D, Bossu P, Boraschi D, Antoni G. Biochem Biophys Res Commun., 162:357-363, 1989

FOR RESEARCH LABORATORY USE ONLY

DO NOT USE ORGANIC SOLVENTS FOR DISSOLVING ANTISERUM

