



## Anti IL-1β(Rat) Serum Cat. No. YII-YC021-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. Siei

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

for ELISA: Approximately 0.4-1.2 ng/well of recombinant rat IL-1β can be detected

using an antiserum concentration of dilution ratio x1000.

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

of 0.03-0.001 ng/lane of recombinant rat IL-1βunder reducing condition.

**Specificity:** IL-1 $\beta$ (Rat) 100%, IL-1 $\beta$ (Human) 19.2%

IL-1α(Rat) <0.01% IL-1α(Human) <0.01% TNF-α(Rat) <0.01% TNF-α(Human) <0.01%

Other Cytokines <0.01%

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

Goat Anti IL-1α(Rat) Serum YII-YC011-EX Rabbit Anti IL-1β(Rat) Serum YII-YC020-EX

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

**Related Peptides:** IL-1 $\beta$ , TNF- $\alpha$ , TNF- $\beta$ , Other Cytokines

Storage: Keep frozen below -20℃

Avoid repeated freezing-thawing.

## REFERENCES:

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- 3) 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



TOYO EKIMAE BLDG, 2-20,TOYO 2CHOME,KOTO-KU,TOKYO 135-0016,JAPAN TEL: +81-3-5632-9617 FAX: +81-3-5632-9618 e-mail: export@cosmobio.co.jp