Anti IL-1α(Rat) Serum
Cat. No. YII-YC010-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.[1] Both IL-1α and IL-1β are synthesized as 31K Da precursors that are subsequently cleaved into proteins with molecular weights of approximately 17KDa.[2)3)] 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%.[4] Both IL-1αand IL-1β have glycosylation sites, but non-glycosylated recombinant products have biological activities similar to the naturally occurring forms of the molecules.[5)6)]

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

for ELISA: Approximately 0.02-0.05 ng/well of recombinant rat IL-1α can be detected using an antiserum concentration of dilution ratio x10000.

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-1α(Rat)	100%,	IL-1α(Human)	24.8%
IL-1β(Rat)	<0.01%	IL-1β(Human)	<0.01%
TNF-α(Rat)	<0.01%	TNF-α(Human)	<0.01%
Other Cytokines	<0.01%		

Related Antisera:
Goat Anti IL-1α(Rat) Serum YII-YC011-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-1β, TNF-α, TNF-β, Other Cytokines

Storage: Keep frozen below -20℃
Avoid repeated freezing-thawing.

REFERENCES:

1) Oppenheim JJ, et al., Immumol. Today, 7:45,1986
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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

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TEL : +81-3-5632-9617
FAX : +81-3-5632-9618
URL : http://www.cosmobio.co.jp/
e-mail : export@cosmobio.co.jp

Manufacturer
2480-1 Awakura, Fujinomiya-shi,
Shizuoka 418-0011, JAPAN
Phone: +81-544-22-2771
Fax: +81-544-22-2770
URL : www.yanaihara.co.jp
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