BACKGROUND

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

IMMUNOGEN:

Recombinant IL-1 β (Rat)

for ELISA:

Approximately 0.4-1.2ng/well of recombinant rat IL-1 β can be

detected using an antiserum concentration of dilution ratio x1000.

for WESTERN BLOTTING:

An antiserum concentration of dilution ratio x1000 will allow visualization of 0.03-0.001ng/lane of recombinant rat IL-1 β under

reducing condition.

SPECIFICITY:

IL-1 β (Rat) 100%,

IL-1 β (Human) 19.2%

IL-1 α (Rat) < 0.01%,

IL-1 α (Human) < 0.01%

TNF- α (Rat) < 0.01%,

TNF- α (Human) < 0.01%

Other Cytokines < 0.01%

RELATED ANTISERA:

Rabbit Anti IL-1 α (Rat) Serum YC 010

Goat Anti IL-1 α (Rat) Serum YC 011 Rabbit Anti IL-1 β (Rat) Serum YC 020

Anti IL-1 β (Rat) Monoclonal Antibody YC 022

RELATED PEPTIDES:

IL-1 α , TNF- α , TNF- β , Other Cytokines

STORAGE:

Keep frozen below -20℃

Avoid repeated freezing-thawing

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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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