

Code No. 18141

**Anti-Rat  
IL-1 $\beta$  (C) Rabbit IgG Affinity Purify**Volume : 100  $\mu$ g

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**Introduction** : The interleukin-1 (IL-1) species represent an important family of biologically active mono nuclear cell-derived proteins which are involved in inflammatory reactions and in immune responses. Two distinct IL-1 species, IL-1 $\alpha$  and IL-1 $\beta$ , have been identified. They share similarities such as the same molecular weight, similar biological effects and the same receptors on target cells. IL-1 proteins are produced by macrophages, monocytes and various other cell types such as adult T cell leukemias, fibroblasts, epithelial or endothelial cells, neutrophils and astrocytes. Their biological properties include pyrogenicity, bone resorption, presentation of antigen to T cells and stimulation of B and T lymphocyte proliferation.

**Antigen** : Synthetic peptide of the C terminal part of Rat IL-1 $\beta$

**Purification** : Purified with antigen peptide

**Form** : Lyophilized product from 1 % BSA in PBS containing 0.05% NaN<sub>3</sub>

**How to use** : 1.0 mL deionized water will be added to the product (the conc. comes up 100  $\mu$ g /mL)

**Stability** : Lyophilized product, 5 years at 2 – 8 °C  
: Solution, 2 years at –20 °C

**Application** : This antibody can be used for immunohistochemistry with formalin fixed paraffin embedded tissues after microwave pretreatment by several techniques such as Avidin Biotin Complex (ABC) Method. The optimal concentration is about 5  $\mu$ g/mL, however, the concentration should be optimized by each laboratory.  
: This antibody can be used for western blotting in concentration of 0.5 - 5  $\mu$ g /mL.

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