

Anti-Murine IL-1 β Polyclonal Antibody

CATALOG NO: 5129-30T 30 μ g (Trial size)
5129-100 100 μ g

IMMUNOGEN: *E. coli* expressed recombinant murine IL-1 β
(Internal ID# BV- G4)

HOST: Rabbit

SPECIES REACTIVITY: Mouse

FORMULATION:

0.5 mg/ml affinity purified rabbit anti-murine IL-1 β polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 5 mM EDTA and 0.03% proclin.

STORAGE CONDITIONS:

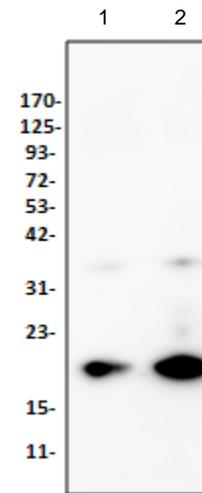
Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

DESCRIPTION:

IL-1 β is a proinflammatory cytokine produced in a variety of cells including monocytes, tissue macrophages, keratinocytes and other epithelial cells. Both IL-1 α and IL-1 β binds to the same receptor and has similar if not identical biological properties. These cytokines have a broad range of activities including, stimulation of thymocyte proliferation, by inducing IL-2 release, B-cell maturation and proliferation, mitogenic FGF-like activity and the ability to stimulate the release of prostaglandin and collagenase from synovial cells. However, whereas IL-1 β is a secreted cytokine, IL-1 α is predominantly a cell-associated cytokine. Recombinant murine IL-1 β is a 17.5 kDa protein containing 153 amino acid residues.

APPLICATION AND USAGE:

The antibody can be used for Western blot analysis (0.5-4 μ g/ml). Recombinant murine IL-1 β (Cat.# 4129-10) can be used as a positive control. Per researcher's feedback, the antibody can also be used in neutralization studies. However, the optimal conditions should be determined individually.



Western blot analysis of 1) 2 ng and 2) 10 ng of recombinant murine IL-1 β using Anti-Murine IL-1 β Polyclonal Antibody.

RELATED PRODUCTS:

IL-1 Alpha Antibody (Cat. No. 5125)
Anti-Human IL-1 Beta Antibody (Cat. No. 5128)
Anti-IL-1 β (Canakinumab), Human IgG1 Antibody (Cat. No. A2144)
Anti-IL-18 Polyclonal Antibody (Cat. No. A2337)
Anti-IL-4R α (Dupilumab), Human IgG4 Antibody (Cat. No. A2148)

FOR RESEARCH USE ONLY! Not to be used on humans.