

Anti-Murine IL-1 β Polyclonal Antibody

CATALOG #:	5129-100
AMOUNT:	100 μ g
LOT #:	_____
IMMUNOGEN:	<i>E. coli</i> expressed recombinant murine IL-1 β (Internal ID# BV- G4)
HOST:	Rabbit
SPECIES REACTIVITY:	Mouse

FORMULATION:

100 μ g (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 and 0.01% thimerosal.

STORAGE CONDITIONS:

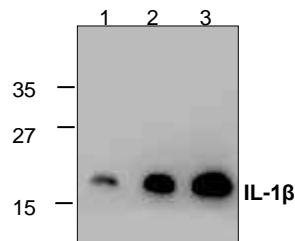
Store at -20 $^{\circ}$ C. For long term storage, aliquot and freeze at -70 $^{\circ}$ C. Avoid repeated freeze/thaw cycles.

DESCRIPTION:

IL-1beta is a proinflammatory cytokine produced in a variety of cells including monocytes, tissue macrophages, keratinocytes and other epithelial cells. Both IL-1alpha and IL-1beta 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-1beta is a secreted cytokine, IL-1alpha is predominantly a cell-associated cytokine. Recombinant murine IL-1beta 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.



Cat.#:5129-100
Western blot analysis using recombinant murine IL-1 β .
Lane 1: 10 ng
Lane 2: 50 ng
Lane 3: 250 ng

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