

32-20201: Recombinant Human IL-1Beta (Discontinued)

Reactivity : Cow, Horse, Human, Monkey, Mouse, Pig, Rabbit, Rat, Sheep
Alternative Name : Catabolin, Lymphocyte-activating factor (LAF), Endogenous Pyrogen (EP), Leukocyte Endogenous Mediator (LEM), Mononuclear Cell Factor (MCF)

Description

Source: *E.coli* 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 bind to the same receptor and have similar, if not identical, biological properties. These cytokines have a broad range of activities including the stimulation of thymocyte proliferation by inducing IL-2 release, B cell maturation and proliferation, mitogenic FGF-like activity, and 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 Human IL-1Beta is a 17.3 kDa protein containing 153 amino acid residues.

Product Info

Amount : 2 µg / 10 µg
Purification : Purity: $\geq 98\%$ by SDS-PAGE gel and HPLC analyses.
Content : This recombinant protein is supplied in lyophilized form.
Amino Acid : APVRSLNCTL RDSQQKSLVM SGPYELKALH LQGQDMEQQV VFSMSFVOGE ESNDKIPVAL GLKEKNLYLS
CVLKDDKPTL QLESVDPKNY PKKKMEKRFV FNKIEINNKL EFESAQFPNW YISTSQAENM PVFLGGTKGG
QDITDFTMQF VSS

Application Note

The ED_{50} as determined by the dose-dependent stimulation of thymidine uptake by murine D10S cells is ≤ 1.0 pg/ml, corresponding to a specific activity of $\geq 1 \times 10^9$ units/mg.