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32-20202: Animal-Free Recombinant Human IL-1Beta

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: >= 98% by SDS-PAGE gel and HPLC analyses.
Content : This recombinant protein is supplied in liquid form.
Amino Acid : APVRSLNCTL RDSQQKSLVM SGPYELKALH LQGQDMEQQV VFSMSFVQGE ESNDKIPVAL GLKEKNLYLS CVLKDDKPTL QLESVDPKNY PKKKMEKRFV FNKIEINNKL EFESAQFPNW YISTSQAENM PVFLGGTKGG QDITDFTMQF VSS

Application Note

Determined by its ability to stimulate the proliferation of mouse D10S cells. The expected ED_{50} is <= 0.001 ng/ml, corresponding to a specific activity of >= 1 x 10^9units/mg.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.