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32-20198: Animal-Free Recombinant Human IL-1Alpha (Discontinued)

Reactivity : Human, Mouse

Alternative Name : Hematopoietin-1, Lymphocyte-activating factor (LAF), Endogenous Pyrogen (EP), Leukocyte, Endogenous Mediator (LEM), Mononuclear Cell Factor (MCF)

Description

Source:E.coliIL-1Alpha is a non-secreted, 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, Bcell 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.Â Recombinant Human IL-1Alpha is an 18.0 kDa protein containing 159 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 lyophilized form.

Amino Acid : SAPFSFLSNV KYNFMRIIKY EFILNDALNQ SIIRANDQYL TAAALHNLDE AVKFDMGAYK SSKDDAKITV ILRISKTQLY VTAQDEDQPV LLKEMPEIPK TITGSETNLL FFWETHGTKN YFTSVAHPNL FIATKQDYWV CLAGGPPSIT DFQILENQA

Application Note

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

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