

32-20197: Recombinant Human IL-1Alpha (Discontinued)

Reactivity : Cow, Human, Monkey, Mouse, Pig
Alternative Name : Hematopoietin-1, Lymphocyte-activating factor (LAF), Endogenous Pyrogen (EP), Leukocyte Endogenous Mediator (LEM), Mononuclear Cell Factor (MCF)

Description

Source: *E.coli* IL-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, 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-1Alpha is an 18.0 kDa protein containing 159 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 : SAPFSFLSNV KYNFMRIKY EFILNDALNQ SIIRANDQYL TAAALHNLDE AVKFDMGAYK SSKDDAKITV
ILRISKTLQLY VTAQDEDDQPV LLKEMPEIPK TITGSETNLL FFWETHGTKN YFTSVAHPNL FIATKQDYWV
CLAGGPPSIT DFQILENQA

Application Note

The ED_{50} as determined by the dose-dependent stimulation of murine D10S cells is ≤ 0.001 ng/ml, corresponding to a specific activity of $\geq 1 \times 10^9$ units/mg.