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# 32-20199: Recombinant Murine 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.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 Â 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.Â  Recombinant Murine IL-1Alpha is a 17.9 kDa protein containing 156 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 :** SAPYTYQSDL RYKLMKLVRQ KFVMNDSLNQ TIYQDVDKHY LSTTWLNDLQ QEVKFDMYAY SSGGDDSKYP VTLKISDSQL FVSAQGEDQP VLLKELPETP KLITGSETDL IFFWKSINSK NYFTSAAYPE LFIATKEQSR VHLARGLPSM TDFQIS

## Application Note

TheÃ Â $ED_{50}$Ã Â as determined by the dose-dependent stimulation of murine D10S cells is <= 0.002 ng/ml, corresponding to a specific activity of >= 5 x 108units/mg.

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