



Catalog # 1270

Synonyms Mature IL-1A, IL1A, Interleukin-1 alpha

Type Recombinant

Source E. coli Species Human Tag GST Form Liquid

Purity > 98 % by SDS PAGE

Shipping ice packs

## Introduction

Pro-inflammatory and pyrogenic cytokine IL-1 alpha is a member of the interleukin 1 cytokine family. IL-1 alpha is a pleiotropic cytokine involved in various immune responses, inflammatory processes, and hematopoiesis. It is produced by monocytes and macrophages as a precursor, which is proteolytically processed and released in response to cell injury and induces apoptosis. IL-1 alpha stimulates T-cell proliferation by inducing IL-2 release, B-cell maturation and proliferation, and many other pro-inflammatory stimuli.

# **Description**

The IL-1alpha is produced as a 31 kDa precursor, which is proteolytically cleaved to mature IL-1alpha (18 kDa) and N-terminal propiece (IL1NTP, 13 kDa). The IL-1alpha precursor is associated with chromatin in the cell nucleus with unknown function.

# **Application**

Affinity Purification, Western Blotting, ELISA, Protein Array, Protein-Protein Interactions, Pull-down Assay,

### **Purification method**

Affinity chromatography.

### **Formulation**

PBS solution 0.3 mg/ml

### Storage

-80C, aliquot to avoid repeated freezing and thawing.

Analyte specific reagent (ASR) manufactured under ISO 13485. Country of origin: Czech Republic



