Data sheet

IFTA AG
Certified QMS according to
DIN EN ISO 9001
Reg. No. IC 03214 034

Jena Bioscience

IL-1 alpha
Interleukin-1 alpha
human, recombinant, *E. coli*

Cat. No.	Amount
PR-400	10 μg

For *in vitro* use only
Quality guaranteed for 12 months
Store at -80°C

Avoid freeze / thaw cycles

Form
Liquid. Supplied in PBS containing 50 μg BSA/μg IL-1β.

Purity
$\geq$ 95% by SDS-PAGE

Description
Interleukins-1 (IL-1) α and β belong to the family of regulatory and inflammatory cytokines which play an important role in the regulation of acute inflammation. IL-1α stimulates bone resorption, nuclear phospholipase C, and induces nitric oxide synthase.
The closely related proteins IL-1α and IL-1β share approximately 62% homology in amino acid sequence but exhibit nearly identical biochemical action.

Selected References:

Bazan *et al.* (1996) A newly defined Interleukin-1. *Nature* **379**:591.
Arend *et al.* (1998) Interleukin-1 receptor antgonist - role in biology. *Annu. Rev. Immunol.* **16**:27.
Dunn (2002) Mechanisms by which cytokines signal the brain. *Neurobiology of the Immune System* **52**:43.