

Recombinant Human Interleukin-1 β (IL-1 β)

CATALOG #: 4128-10 10 μ g
4128-50 50 μ g
4128-1000 1 mg

LOT #: _____

SOURCE: *E. coli*

PURITY: >98% by SDS-PAGE and HPLC analysis
Endotoxin level is <0.1 ng per μ g of IL-1 β .

MOL. WEIGHT: 17.0 kDa

FORMULATION: Lyophilized with no additives

RECONSTITUTION:

We recommend a quick spin followed by reconstitution in water to a concentration of 0.1-1.0 mg/ml. The solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or stored at -20°C for future use.

STORAGE CONDITIONS:

The lyophilized IL-1 β is best-stored desiccated below 0°C. Reconstituted IL-1 β should be stored at working aliquots at -20°C.

DESCRIPTION:

IL-1 β is a potent immuno-modulator that mediates a wide range of immune and inflammatory responses including the activation of B and T cells. Recombinant human IL-1 β is a 17.0 kDa protein containing 153 amino acid residues.

BIOLOGICAL ACTIVITY:

The ED₅₀ as determined by the dose-dependent stimulation of thymidine uptake by murine C3H/HeJ thymocytes is \leq 0.1 ng/ml, corresponding to a specific activity of \geq 1 x 10⁷ units/mg.

FOR RESEARCH USE ONLY! Not to be used in humans.

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- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

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- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
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- Mammalian Cell Extraction Kit
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