



RECOMBINANT HUMAN INTERLEUKIN-1 β

CATALOG NUMBER:	IL038
LOT NUMBER:	XXXXXXXXXXXX
QUANTITY:	10 μ g
DESCRIPTION:	Interleukin-1 β (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. Human IL-1 β is a 17.3 kDa protein containing 153 amino acid residues.
SOURCE:	<i>E. coli</i>
PURITY:	Greater than 98% by SDS-PAGE and HPLC analysis. Endotoxin level is less than 0.1 ng per μ g (1EU/ μ g) of human IL-1 β .
ACTIVITY:	Chemicon's human IL-1 β is fully biologically active when compared to standards. The ED ₅₀ as determined by the dose-dependent stimulation of The proliferation of murine D10S cells is ≤ 0.001 ng/mL corresponding to a specific activity of $\geq 1 \times 10^9$ units/mg.
APPLICATIONS:	For most <i>in vitro</i> applications, human IL-1 β is fully biologically activity in the concentration range of 0.1 to 10.0 ng/mL. Responding cells are (partial list): Leukocytes.
PRESENTATION:	Sterile filtered and lyophilized from 10 mM Tris, pH 8.2 with no preservatives.
STORAGE/HANDLING:	The lyophilized human IL-1 β , though stable at room temperature, is best stored desiccated at -20°C. After a quick spin, reconstitute in water to a concentration of 0.1-1.0 mg/mL. This solution can be diluted into other buffered solutions. Reconstituted human IL-1 β should be stored in undiluted aliquots at -20°C for up to six months.
Important Note:	<i>During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 μL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.</i>

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PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION

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