

## RECOMBINANT RAT INTERLEUKIN-1 $\beta$

<b>CATALOG NUMBER:</b>	IL024
<b>LOT NUMBER:</b>	22100742
<b>QUANTITY:</b>	10 $\mu$ g
<b>DESCRIPTION:</b>	Interleukin-1 $\beta$ (IL-1 $\beta$ ) is a potent immuno-modulator which mediates a wide range of immune and inflammatory responses including the activation of B and T cells. Rat IL-1 $\beta$ is a 17.3 kDa protein containing 153 amino acid residues.
<b>SOURCE:</b>	<i>E. coli</i>
<b>PURITY:</b>	Greater than 98% by SDS-PAGE analysis and HPLC analysis. Endotoxin level is less than 0.1 ng per $\mu$ g (1EU/mL) of rat IL-1 $\beta$ .
<b>ACTIVITY:</b>	The ED <sub>50</sub> of Chemicon's rat IL-1 $\beta$ as determined by the dose-dependent stimulation of mouse D10S cells is $\leq$ 0.1 ng/mL, corresponding to a specific activity of $\geq$ 1 x 10 <sup>7</sup> units/mg.
<b>APPLICATIONS:</b>	For most <i>in vitro</i> applications, IL-1 $\beta$ exerts its biological activity in the concentration range of 0.1 to 10.0 ng/mL.
<b>PRESENTATION:</b>	Lyophilized from 10 mM Sodium Acetate, pH 6.5.
<b>STORAGE/HANDLING:</b>	The lyophilized powder, though stable for a few weeks at room temperature, is best stored at -20°C. Reconstitute in water to a concentration of 0.1-1.0 mg/mL. This solution can be diluted into other buffered solutions. Maintain reconstituted material at -20°C in undiluted aliquots for up to six months. Avoid repeated freeze/thaw cycles.

*For research use only; not for use as a diagnostic.*