

## Recombinant Murine Interleukin-1beta (rm IL-1b / rm IL1F2)

**IL-1B** proteins are involved in the inflammatory response, being identified as endogenous pyrogens and are reported to stimulate the release of prostaglandin and collagenase from synovial cells. Interleukin-1b stimulates thymocyte proliferation by inducing IL-2 release, b-cell maturation and proliferation, and fibroblast growth factor activity. Recombinant murine Interleukin-1b produced in E.Coli is a non-glycosylated, polypeptide chain containing 153 amino acids and having a molecular mass of 17.5 kDa.

<b>Synonyms :</b>	Catabolin, Lymphocyte-activating factor (LAF), Endogenous Pyrogen (EP), Leukocyte Endogenous Mediator (LEM), Mononuclear Cell Factor (MCF)
<b>Source:</b>	<i>Escherichia coli</i>
<b>AA Sequence:</b>	MVPIRQLHYR LRDEQQKSLV LSDPYELKAL HLNGQNINQQ VIFSMSFVQG EPSNDKIPVA LGLKGKNLYL SCVMKDGTP T LQLESVDPKQ YPKKKMEKRF VFNKIEVKSK VEFESAEPFN WYISTSQAEH KPVFLGNNSG QDIIDFTMES VSS
<b>Formulation:</b>	Lyophilisate from a 0.22 µm filtered carrier free solution in PBS, pH 7.2
<b>Reconstitution:</b>	Reconstitute in sterile endotoxin free water not less than 100 µg/ml
<b>Stability:</b>	The lyophilized protein is stable for at least 2 years at -20°C. Reconstituted rm IL-1a is stable for at least 3 months when stored in concentrated working aliquots (100 ng/µl or higher) at -20°C. Avoid repeated freeze/thaw cycles.
<b>Biological Activity:</b>	The ED <sub>50</sub> as determined by the dose-dependant stimulation of murine D10S cells is < 2 pg/ml, corresponding to a specific activity of 5 x 10 <sup>8</sup> IU/mg.
<b>Purity:</b>	95% (verified by SDS-PAGE / silver stain)
<b>Endotoxicity:</b>	The endotoxin level is less than 0.1 ng per µg (1EU/µg) determined by LAL method
<b>Order N°:</b>	rm IL-1b+Size available sizes: 2 µg, 10 µg, 50 µg

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