

## Recombinant Porcine (Swine) Interleukin-1 beta (IL-1 $\beta$ )

<b>Catalog No:</b>	CRI190A CRI190B CRI190C	<b>Size:</b> 10 $\mu$ g <b>Size:</b> 25 $\mu$ g <b>Size:</b> 1.0 mg
<b>Molecular Weight:</b>	17.5 kDa	
<b>Purity:</b>	>95% as determined by SDS-PAGE analysis.	
<b>Biological Activity:</b>	ED <sub>50</sub> range = 6-16 ng/mL, determined by the dose dependent proliferation of mouse D10S cells. Optimal concentration for individual application should be determined by a dose response assay, and note that the activity may be greater in a porcine system.	
<b>Formulation:</b>	Lyophilized, carrier free.	
<b>Sterility:</b>	Filtered prior to lyophilization through a 0.22 micron sterile filter.	
<b>Endotoxin:</b>	<0.1 ng/ $\mu$ g	
<b>Source:</b>	Recombinant porcine IL-1 beta is produced in <i>E. coli</i> and purified via sequential chromatography.	
<b>Reconstitution:</b>	We recommend that the vial be briefly centrifuged prior to opening to bring the contents to the bottom. Lyophilized porcine IL-1 beta should be reconstituted in sterile, deionized H <sub>2</sub> O to 0.1 -1.0 mg/mL to regain full activity. These stock solutions should be apportioned into working aliquots and stored below -20°C. Further dilutions should be made in low endotoxin medium or buffered solution with heat inactivated FCS or tissue culture grade BSA.	
<b>Suggested Working Dilution:</b>	The optimal concentration should be determined for each specific application.	
<b>Storage:</b>	Lyophilized porcine IL-1 beta should be stored at 2-8°C, preferably desiccated. Store reconstituted porcine IL-1 beta below -20°C (not in a frost-free freezer). Keep freeze-thaw cycles to a minimum.	
<b>References:</b>	Orencole, S.F. and C.A. Dinarello (1989) Characterization of a subclone (D10S) of the D10.G4.1 helper T-cell line which proliferates to attomolar concentrations of interleukin-1 in the absence of mitogens. <i>Cytokine</i> 1:14-22.	

FOR RESEARCH USE ONLY. NOT FOR USE IN HUMAN DIAGNOSTIC OR THERAPEUTIC PROCEDURES.



**Cell Sciences, Inc.**  
480 Neponset Street  
Bldg 12A  
Canton, MA 02021

Toll Free: 888-769-1246  
Phone: 781-828-0610  
Fax: 781-828-0542

E-mail: [info@cellsciences.com](mailto:info@cellsciences.com)  
Web Site: [www.cellsciences.com](http://www.cellsciences.com)