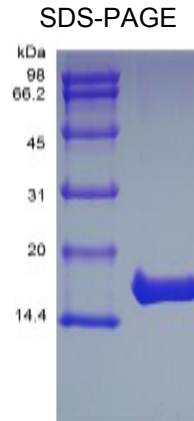


## IL1B

### Recombinant Rhesus Macaque IL-1 beta

<b>Catalog No.</b>	CRI269A CRI269B CRI269C	<b>Quantity:</b>	2 µg 10 µg 1.0 mg
<b>Alternate Names:</b>	Interleukin-1 beta		
<b>Description:</b>	Rhesus macaque ( <i>Macaca mulatta</i> ) IL-1 beta is a proinflammatory cytokine produced in a variety of cells including monocytes, tissue macrophages, keratinocytes and other epithelial cells. Both IL-1 alpha and IL-1 beta bind to the same receptor and have similar if not identical biological properties. These cytokines have a broad range of activities including, stimulation of thymocyte proliferation by inducing IL-2 release, B-cell maturation and proliferation, mitogenic FGF-like activity, and the ability to stimulate the release of prostaglandin and collagenase from synovial cells. However, whereas IL-1 beta is a secreted cytokine, IL-1 alpha is predominantly a cell-associated cytokine. The 17 kDa mature Rhesus macaque IL-1 beta shares 96% aa sequence identity with other rhesus IL-1 beta and 67% -78% with canine, mouse and rat IL1β.		
<b>UniProt ID:</b>	P48090		
<b>Gene ID:</b>	704701		
<b>Source:</b>	<i>E. coli</i>		
<b>Molecular Weight:</b>	17.3 kDa (153 aa)		
<b>Formulation:</b>	Lyophilized from sterile-filtered PBS, pH 7.4.		
<b>Purity:</b>	> 98% by SDS-PAGE and HPLC analyses		
<b>Endotoxin Level:</b>	< 1EU/µg of rRhIL-1 beta as determined by LAL method.		
<b>Biological Activity:</b>	ED <sub>50</sub> is typically 3-10 pg/ml, as determined by the dose-dependant stimulation of D10. G4.1 mouse helper T cells.		
<b>Specific Activity:</b>	> 1.0 x 10 <sup>8</sup> IU/mg		
<b>Amino Acid Sequence:</b>	APVRS <sup>L</sup> HCTL RDAQLKSLVM SGPYELKALH LQGQDLEQQV VFSMSFVQGE ESNDKIPVAL GLKAKNLYLS CVLKDDKPTL QLESVDPKNY P <sup>K</sup> KKMEKRFV FNKIEINNKL EFESAQFPNW YISTSQAENM PVFLGGTRGG QDITDFTMQF VSS		
<b>Reconstitution:</b>	<b>Centrifuge vial prior to opening.</b> Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/ml. Further dilution should be made in appropriate buffered solutions.		
<b>Storage &amp; Stability:</b>	Store lyophilized protein at -20°C to -80°C. After reconstitution, the protein is stable for 1 month at 2-8°C. For long term storage, aliquot and freeze at -20°C to -80°C. <b>Avoid repeated freeze-thaw cycles.</b>		





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