

## IL10

### Recombinant Mouse Interleukin-10

<b>Catalog No.</b>	CRI154A CRI154B CRI154C	<b>Quantity:</b>	2 µg 10 µg 1.0 mg
<b>Alternate Names:</b>	B-TCGF, CSIF, TGIF, IL10A, MGC126450, MGC126451, Cytokine Synthesis Inhibitory Factor		
<b>Description:</b>	Recombinant Mouse Interleukin-10 is an immunosuppressive cytokine produced by a variety of mammalian cell types including macrophages, monocytes, T cells, B cells and keratinocytes. IL10 inhibits the expression of proinflammatory cytokines such as IL1 and TNF-alpha. Like IL4, IL10 enhances humoral immune responses and attenuates cell-mediated immune reactions. Human IL10 is active on mouse cells, but mouse IL10 is inactive on human cells.		
<b>GeneID:</b>	16153		
<b>UniProtKB:</b>	P18893		
<b>Source:</b>	<i>E. coli</i>		
<b>Molecular Weight:</b>	Noncovalent homodimer, 18.9 kDa (161 aa)		
<b>Formulation:</b>	Lyophilized from a sterile filtered solution containing 10 mM phosphate, pH 7.5		
<b>Purity:</b>	>95% by Reducing and Non-reducing SDS-PAGE		
<b>Endotoxin Level:</b>	<0.05 EU/µg		
<b>Biological Activity:</b>	Determined by the dose-dependent stimulation of mouse MC/9 cells. The ED <sub>50</sub> is 1.85 ng/mL.		
<b>Specific Activity:</b>	5.4 x 10 <sup>5</sup> U/mg		
<b>Amino Acid Sequence:</b>	MSRGQYSRED NNCTHFPVGQ SHMLLELRTA FSQVKTFQK KDQLDNILLT DSLMDQDFKGY LGCQALSEMI QFYLVVMPQ AEKHGPEIKE HLNSLGQKPK TLRMLRRCH RFLPCENKSK AVEQVKSDFN KLEDQGVYKA MNEFDIFINC IEAYMMIKMK S		
<b>Reconstitution:</b>	<b>Centrifuge vial prior to opening.</b> Add sterile distilled water to a concentration of 0.1 mg/mL and gently pipet the solution up and down the sides of the vial. <b>DO NOT VORTEX.</b> Allow several minutes for reconstitution.		
<b>Storage &amp; Stability:</b>	<b>Upon receipt</b> , store desiccated at -20 °C for up to 1 year. <b>Upon reconstitution</b> , the preparation is stable for up to one month at 2-8 °C. <b>For long term storage</b> reconstitute in working aliquots containing 0.1% BSA and store at -80 °C. <b>Avoid repeated freeze-thaw cycles.</b>		

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