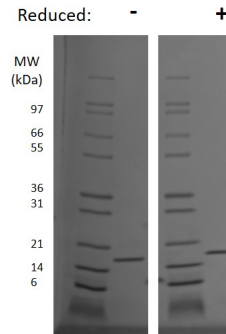
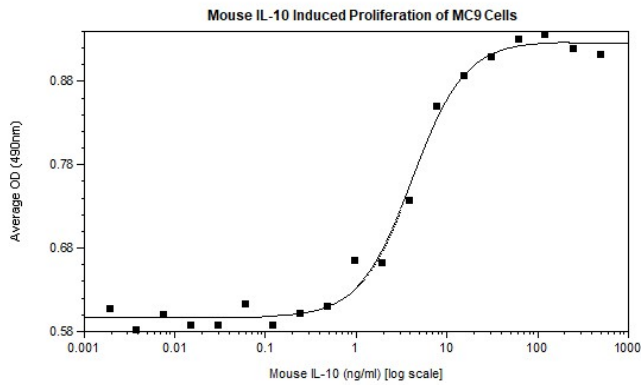


II10

Recombinant Mouse Interleukin-10

Catalog No.	CRI154A CRI154B CRI154C	Quantity:	10 µg 100 µg 1.0 mg
Alternate Names:	IL-10, Cytokine Synthesis Inhibitory Factor, CSIF		
Description:	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. IL-10 inhibits the expression of proinflammatory cytokines such as IL-1 and TNF-alpha. Like IL-4, IL-10 enhances humoral immune responses and attenuates cell-mediated immune reactions. Human IL-10 is active on mouse cells, but mouse IL-10 is inactive on human cells.		
UniProt ID:	P18893		
Gene ID:	16153		
Source:	<i>E. coli</i>		
Molecular Weight:	18.9 kDa (161 aa) noncovalent homodimer		
Formulation:	Lyophilized from a sterile filtered solution containing 10 mM sodium phosphate, pH 7.5		
Purity:	>95% by reducing and non-reducing SDS-PAGE		
Endotoxin Level:	< 1.0 EU/µg by kinetic LAL analysis		
Biological Activity:	ED ₅₀ ≤ 5 ng/ml, determined by dose-dependent proliferation of mouse MC/9 cells.		
Specific Activity:	≥ 2.0 x 10 ⁵ U/mg		
Amino Acid Sequence:	MSRGQYSRED NNCTHFPVGQ SHMLLELRTA FSQVKTFQT KDQLDNILLT DSLMDQDFKGY LGCQALSEMI QFYLVEMPQ AEKHGPEIKE HLNSLGQKLK TLRMRLRRCH RFLPCENKSK AVEQVKSDFN KLEDQGVYKA MNEFDIFINC IEAYMMIKMK S		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water to a concentration of 0.1 mg/mL and gently pipette the solution up and down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution.		
Storage & Stability:	Store as supplied at -20°C to -80°C for up to 1 year. Upon reconstitution, prepare working aliquots and store at -20°C to -80°C. It is recommended that a carrier protein such as 0.1% HSA or BSA is added for long term storage. Avoid repeated freeze-thaw cycles.		





Mouse IL-10 Gel

Figure: 1 ug in each lane (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Mouse IL-10 is predicted to be a non-covalently linked homodimer with a MW of 18.9 kDa for each monomer.

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



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