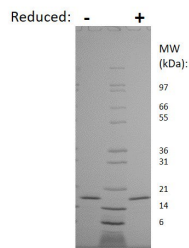


II10

Recombinant Rat Interleukin-10, Animal Free

Catalog No.	CRI155A-AF CRI155B-AF CRI155C-AF	Quantity:	2 µg 10 µg 1.0 mg
Alternate Names:	IL-10, Cytokine synthesis inhibitory factor, CSIF		
Description:	IL10 is a cytokine produced primarily by monocytes and to a lesser extent by lymphocytes. This cytokine has pleiotropic effects in immunoregulation and inflammation. It down-regulates the expression of Th1 cytokines, MHC class II Ags, and costimulatory molecules on macrophages. It also enhances B cell survival, proliferation, and antibody production. This cytokine can block NF-kappa B activity, and is involved in the regulation of the JAK-STAT signaling pathway. Knockout studies in mice suggest the function of this cytokine as an essential immunoregulator in the intestinal tract.		
UniProt ID:	P29456		
Gene ID:	25325		
Source:	<i>E. coli</i> Made without animal-derived components in an animal-free facility.		
Molecular Weight:	18.8 kDa (161 aa) monomer		
Formulation:	Lyophilized from a sterile filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)		
Purity:	≥ 95% by reducing and non-reducing SDS-PAGE		
Endotoxin Level:	< 1 EU/µg by kinetic LAL analysis.		
Amino Acid Sequence:	MSKGHSIRGD NNCTHFPVSQ THMLRELRAA FSQVKTFQK KDQLDNILLT DSLLQDFKGY LGCQALSEMI KFYLVEMPQ AENHGPEIKE HLNSLGEKLG TLWIQLRRCH RFLPCENKSK AVEQVKNDNFN KLQDKGVYKA MNEFDIFINC IEAYVTLKMK N		
Reconstitution:	Centrifuge vial prior to opening. 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. DO NOT VORTEX. Allow several minutes for reconstitution. A small amount of precipitate may be seen.		
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.		





Rat IL-10 Gel

Figure: 1 ug run under (-) non-reducing and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Rat IL-10 is predicted to have a MW of 18.8 kDa.

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



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