

## Recombinant Human IL-10

<b>CATALOG #:</b>	4155-10	10 µg
	4155-50	50 µg
	4155-1000	1 mg
<b>SOURCE:</b>	<i>E. coli</i>	
<b>PURITY:</b>	>95% by SDS-PAGE and HPLC analyses Endotoxin level is <0.1 ng per µg of IL-10.	
<b>MOL. WEIGHT:</b>	19.6 kDa (160 aa, 19-178 aa)	
<b>FORM:</b>	Lyophilized	
<b>FORMULATION:</b>	Sterile Filtered lyophilized (freeze-dried) powder from 50 mM Tris, 100 mM NaCl, pH 7.5.	

**RECONSTITUTION:**

Centrifuge the vial prior to opening. Reconstitute in water a concentration of 0.1-1.0 µg/µl. The solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or -20°C for future use.

**STORAGE CONDITIONS:**

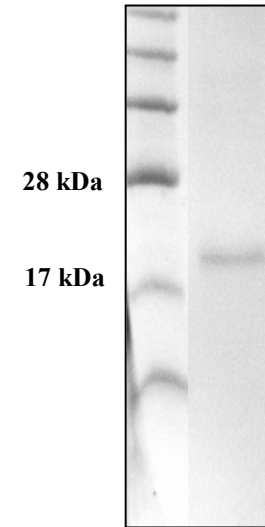
The lyophilized IL-10 is best-stored desiccated below 0°C. Reconstituted IL-10 should be stored at working aliquots at -20°C. For long term storage it is recommended to add a carrier protein (0.1% HAS or BSA). Prevent freeze-thaw cycles.

**DESCRIPTION:**

IL-10 (Interleukin-10), originally known as Cytokine Synthesis Inhibitory Factor (CSIF), is an 18.6 kDa protein containing 161 amino acid residues. It shares over 80% sequence homology with the Epstein-Barr Virus protein BCRF1. The reported biological activities of IL-10 include inhibition of macrophage-mediated cytokine synthesis, suppression of the delayed-type hypersensitivity response, and stimulation of the Th2 cell response which results in elevated antibody production.

**BIOLOGICAL ACTIVITY:**

The ED<sub>50</sub> determined by the dose-dependent co-stimulation (with murine IL-4) of MC/9 cells is ≤ 2 ng/ml, corresponding to a specific activity of ≥ 5 × 10<sup>5</sup> units/mg.



SDS-PAGE (15%) of purified human recombinant IL-10 protein.  
Lane 1: Marker  
Lane 2: 10 µg protein

**RELATED PRODUCTS:**

- Human Cell<sup>exp</sup> Human Recombinant IL-10 (Cat # 6466-10, -50)
- IL-10, human recombinant (Cat # 4155-10, -50, -1000)
- IL-10, murine recombinant (Cat # 4156-10, -50, -1000)
- IL-10, rat recombinant (Cat # 4157-10, -1000)

**FOR RESEARCH USE ONLY! Not to be used on humans.**