

## Recombinant Mouse Interleukin-10

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<b>CATALOG NUMBER:</b>	IL020	<b>QUANTITY:</b>	10 µg
<b>LOT NUMBER:</b>			
<b>ALTERNATE NAMES:</b>	B-TCGF, CSIF, TGIF		
<b>BACKGROUND:</b>	Interleukin-10 (IL-10), originally known as Cytokine Synthesis Inhibitory Factor (CSIF) is an 18.7 kDa protein of 160 amino acid residues that shares over 80% sequence homology with the Epstein-Barr Virus protein BCRF1. The reported biological activities of IL-10, which may be inter-related, 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.		
<b>SOURCE:</b>	<i>E. coli</i>		
<b>PURITY:</b>	Greater than 98% by SDS-PAGE and HPLC analysis. Endotoxin level is less than 0.1 ng per µg (1EU/µg) of mouse IL-10.		
<b>ACTIVITY:</b>	Chemicon's mouse IL-10 is fully biologically active as measured by the dose dependent co-stimulation (with IL-4) of MC-9 cells. The ED50 was found to be ≤2 ng/mL, corresponding to a specific activity of 5 x10 <sup>5</sup> units/mg.		
<b>APPLICATIONS:</b>	For most <i>in vitro</i> applications, IL-10 exerts its biological activity in the concentration range of 0.2 to 20.0 ng/mL. Responding cells are (partial list): T-cells, macrophages.		
<b>PRESENTATION:</b>	Sterile filtered through a 0.2 micron filter. Lyophilized from 10mM Sodium Phosphate, pH 7.0.		
<b>STORAGE/HANDLING:</b>	The lyophilized powder, though stable at room temperature, is best stored desiccated below 0°C. After a quick spin, reconstitute with water to a concentration of 0.1-1.0 mg/mL. This solution can be diluted into other buffered solutions. Reconstituted IL-10 should be stored in undiluted aliquots at -20°C for up to 6 months.		

**Important Note:** *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

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