

## RECOMBINANT HUMAN INTERLEUKIN-10

---

<b>CATALOG NUMBER:</b>	IL010
<b>LOT NUMBER:</b>	
<b>QUANTITY:</b>	10 µg
<b>DESCRIPTION:</b>	Interleukin-10 (IL-10) originally known as Cytokine Synthesis Inhibitory Factor (CSIF) is an 18.6 kDa protein that shares over 80% sequence homology with the Epstein-Barr Virus protein BCRF1. The reported biological activities of IL-10, which may be interrelated, include inhibition of macrophage mediated cytokine synthesis, suppression of the delayed-type hyper-sensitivity 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/ug) of IL-10.
<b>ACTIVITY:</b>	Human IL-10 is fully biologically active as measured by the dose dependent co-stimulation (with mouse IL-4) of MC/9 cells. The ED <sub>50</sub> was found to be ≤ 2 ng/mL, corresponding to a specific activity of ≥ 5 x 10 <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.
<b>PRESENTATION:</b>	Lyophilized from 5 mM Sodium Phosphate, pH 7.2.
<b>STORAGE/HANDLING:</b>	The lyophilized powder, though stable at room temperature, is best stored at -20°C. Reconstitute in 5 mM Sodium Phosphate, pH 7.2 to a concentration of 0.1-1.0 mg/mL. This solution can be diluted into other buffered solutions and stored at 4°C for 1 week or at -20°C for future use. Reconstituted human 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.*

Unless otherwise stated in our catalog or other company documentation accompanying the product(s), our products are intended for research use only and are not to be used for any other purpose, which includes but is not limited to, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses or any type of consumption or application to humans or animals.

© 2002-2006 CHEMICON® International, Inc. - By CHEMICON® International, Inc. All rights reserved. No part of these works may be reproduced in any form without permissions in writing.