

human Interleukin-10

Recombinant protein

For research use only; not for therapeutic or *in vitro* diagnostic use

Cat. No.	Quantity*
BMS346/2	10 µg

*Bulk quantities are available on request.

Description:	Interleukin-10, originally known as Cytokine Synthesis Inhibitory Factor (CSIF), is an 18.6 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 maybe 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.
Source:	Interleukin-10 is produced in <i>E. coli</i> .
Presentation:	The sterile filtered solution was lyophilized from a concentrated solution (1mg/ml) containing no additives.
Purity:	Greater than 95% by SDS-PAGE and HPLC analyses.
Reconstitution:	We recommend a quick spin followed by reconstitution in sterile distilled water to a concentration not less than 100µg/ml. This solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or -20°C for future use. For most in vitro applications, IL-10 exerts its biological activity in the concentration range of 0.2 to 20.0 ng/ml.
Biological Activity:	The ED50 as determined by the dose-dependent co-stimulation of MC-9 cells is < 0.5 ng/ml, corresponding to a specific activity of 2MIU/mg.
Storage and Stability:	The lyophilized protein is stable for a few weeks at room temperature, but best stored at -20°C. Reconstituted IL-10 should be stored in working aliquots at -20°C. For long term storage it is recommended to add a carrier protein (0.1% HAS or BSA).

+ Europe

eBioscience
Campus Vienna Biocenter 2
1030 Vienna, Austria
technical support: +43 (1) 796 40 40-120
customer service: +43 (1) 796 40 40-304
fax: +43 (1) 796 40 40-400

tech@ebioscience.com
europe@ebioscience.com
www.ebioscience.com

+ USA

eBioscience, Inc.
10255 Science Center Drive
San Diego, CA 92121
technical support: +1 (888) 810 6168
customer service: +1 (888) 999 1371
fax: +1 (858) 642 2046

tech@ebioscience.com
info@ebioscience.com
www.ebioscience.com