

RECOMBINANT HUMAN INTERLEUKIN-6

CATALOG NUMBER:	IL006	QUANTITY:	20 µG
LOT NUMBER:			
ALTERNATE NAMES:	IL-6		
DESCRIPTION:	Interleukin-6 (IL-6) is a potent lymphoid cell growth factor which affects B-lymphocytes, T-lymphocytes and hybridoma cells. It will also affect cytotoxic T-cells in combination with other factors such as IL-2 and g-interferon. Human IL-6 is a 20.9 kDa protein containing 184 amino acid residues.		
SOURCE:	<i>E. coli</i>		
PURITY:	Greater than 98% by SDS-PAGE and HPLC analysis. Endotoxin level is less than 0.1 ng per µg (1EU/ug) of IFN gamma.		
APPLICATIONS:	For most in vitro applications, IL-6 exerts its biological activity in the concentration range of 0.1 to 10.0 ng/mL. Responding cells are (partial list): B-cells, hybridoma cells.		
ACTIVITY:	Human IL-6 is fully biologically active when compared to standards. The ED50 as determined by the dose-dependent stimulation of the proliferation of IL-6-dependent mouse 7TD1 cells is ≤ 0.1 ng/mL, corresponding to a specific activity of ≥ 1 x 10 ⁷ (E7) units/mg.		
PRESENTATION:	Lyophilized from 10 mM Sodium Citrate, pH 3.0.		
STORAGE/HANDLING:	The lyophilized protein is stable for a few weeks at room temperature, but is best stored at -20°C. After a quick spin, reconstitute in 5-10 mM Acetic Acid to a concentration of 0.1-0.5 mg/mL. Note: Gently shake the solution for about 10 minutes for better solubility. This solution can then be further diluted into aqueous buffers and stored in aliquots at 4°C for 1 week or at -20°C for up to 6 months.		

For research use only; not for use as a diagnostic.

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.*

© 2005: 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.