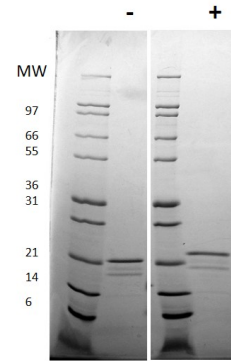
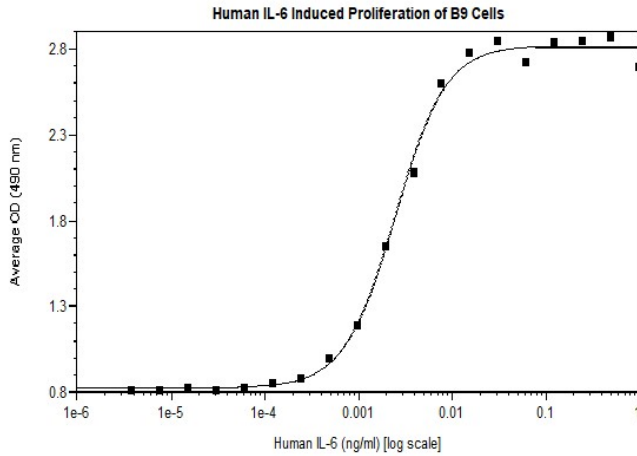


IL6

Recombinant Human Interleukin-6

Catalog No.	CRI106A CRI106B CRI106C	Quantity:	5 µg 10 µg 1.0 mg
Alternate Names:	IL-6, BSF2, HGF, HSF, IFNB2, B-cell differentiation factor		
Description:	Interleukin-6 (IL-6) acts as both a pro-inflammatory and anti-inflammatory cytokine. It is secreted by T cells and macrophages and plays an essential role in the final differentiation of B-cells into Ig-secreting cells and is involved in lymphocyte and monocyte differentiation. In addition, IL-6 has been shown to be an endogenous pyrogen capable of inducing fever in people with autoimmune diseases or infections. IL-6 is produced at sites of acute and chronic inflammation, where it is secreted and signals through a cell-surface type I cytokine receptor complex consisting of the ligand-binding IL-6R α chain (CD126), and the signal transducing component gp130 (CD130).		
Gene ID:	3569		
UniProtKB:	P05231		
Source:	<i>E. coli</i>		
Molecular Weight:	Monomer, 21 kDa (185 aa)		
Formulation:	Lyophilized from a sterile filtered solution containing 10 mM sodium phosphate, pH 7.5		
Purity:	≥95% by reducing and non-reducing SDS-PAGE		
Endotoxin Level:	≤1 EU/µg, kinetic LAL		
Biological Activity:	ED ₅₀ ≤ 250 pg/mL, determined by the proliferation of 7TD1 cells. ED ₅₀ ≤ 25 pg/mL, determined by the proliferation of B9 cells.		
Specific Activity:	4.0 x 10 ⁶ U/mg, 7TD1 cell proliferation. 4.0 x 10 ⁷ U/mg, B9 cell proliferation.		
Amino Acid Sequence:	MPVPPGEDSK DVAAPHRQPL TSSERIDKQI RYILDGICAL RKETCNKSNM CESSKEALAE NNLNLPKMAE KDGCQSGFN EETCLVKIIT GLLEFEVYLE YLQNRFFESSE EQARAVQMST KVLIQFLQKK AKNLDAITTP DPTTNASLLT KLQAQNQWLQ DMTTHLILRS FKEFLQSSLR ALRQM		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water to a concentration of 0.1 mg/mL and gently pipette the solution up and down the sides of the vial. DO NOT VORTEX. Allow several minutes for reconstitution.		
Storage & Stability:	Upon receipt, store at -20 °C to -80 °C for up to 1 year. Upon reconstitution store at 2-8 °C for 1 month. For long term storage reconstitute in working aliquots containing 0.1% BSA and store at -20 °C to -80 °C. Avoid repeated freeze-thaw cycles.		





Human IL-6

Figure: 1 ug in each lane (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Human IL-6 has a predicted MW of 21 kDa.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



Cell Sciences®
65 Parker Street
Unit 11
Newburyport, MA 01950

Toll Free: 888-769-1246
Phone: 978-572-1070
Fax: 978-992-0298

E-mail: info@cellsciences.com
Website: www.cellsciences.com