

32-12151: Human Interleukin-6

Gene : IL6
Gene ID : 3569
Uniprot ID : P05231
Alternative Name : IFNB2, B-cell stimulatory factor 2, CTL differentiation factor, Hybridoma growth factor, Interferon beta-2

Description

Source: Genetically modified E.coli.

Predicted MW: Monomer, 21 kDa (185 aa)

Interleukin 6 (IL-6) is an important pro-inflammatory and anti-inflammatory cytokine expressed by T cells, macrophages and muscle cells. IL-6 signals through a receptor complex containing two receptors, IL-6Ralpha and gp130. IL-6 has an important function in promoting fever and can serve to stimulate an immune response to trauma. IL-6 is often used for growth of hybridoma cell lines. Human IL-6 is active on mouse and rat cells.

Product Info

Amount : 20 µg / 100 µg
Purification : Reducing and Non-Reducing SDS PAGE at $\geq 95\%$
Content : Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM acetic acid
Sterile 10 mM HCl at 0.1 mg/mL
Storage condition : Store at -20°C
Amino Acid : MPVPPGEDSK DVAAPHRQPL TSSERIDKQI RYILDGIAL RKETCNKSNM CESSKEALAE>NNLNLPKMAE
KDGCFQSGFN EETCLVKIIT GLLEFEVYLE YLQNRFESSE EQARAVQMST KVLIQFLQKK AKNLDAITTP
DPTTNASLLT KLQAQNQWLQ DMTTHLILRS FKEFLQSSLR ALRQM

Application Note

Endotoxin: Less than $0.1 \text{ ng}/\mu\text{g}$ ($1 \text{ IEU}/\mu\text{g}$) as determined by LAL test.

Biological Activity was determined by 7TD1 cell proliferation OR B9 cell proliferation at $\leq 250 \text{ pg/mL}$; $\geq 4.0 \times 10^6$ units/mg OR $\leq 25 \text{ pg/mL}$; $\geq 4.0 \times 10^7$ units/mg. Centrifuge vial before opening, Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80°C and avoid repeat freeze thaws. Upon reconstitution, a small amount of visible precipitate can be expected. A 10% overfill has been added to the total material vial to compensate for this loss.



