

32-12135: Human Interleukin-2 (AF)

Gene : IL2
Gene ID : 3558
Uniprot ID : P60568
Alternative Name : T-cell growth factor, TCGF, Aldesleukin

Description

Source: Genetically modified E.coli.

Predicted MW: Monomer, 15.5 kDa (134 aa)

Interleukin 2 (IL-2) is an immunomodulatory cytokine that is produced by lymphocytes. IL-2 signals through the IL-2R receptor to induce activated T cell proliferation and promote T cell differentiation. IL-2 also stimulates the proliferation and differentiation of B cells, natural killer cells, monocytes, and macrophages.

Product Info

Amount : 50 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 0.1% Trifluoroacetic Acid (TFA)
Sterile 10 mM HCl at 0.1 mg/mL
Storage condition : Store at -20°C
Amino Acid : MAPTSSSTKK TQLQLEHLLL DLQMILNGIN NYKNPKLTRM LTFKFYMPKK ATELKHLQCL EEELKPLEEV LNLAQSKNFH LRPRDLISNI NVIVLELKGS ETTFMCEYAD ETATIVEFLN RWITFCQSII STLT

Application Note

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

Biological Activity was determined by CTLL-2 cell proliferation at $\leq 3 \text{ ng/mL}$; $\geq 3.3 \times 10^5 \text{ units/mg}$. 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.



