

IL-2, Human

Cat. No.: Z03074-10

Size: 10.0 ug

Synonyms: T-cell growth factor (TCGF),
Aldesleukin

Description:

Interleukin-2 (IL-2) is a Oglycosylated, four α -helix bundle cytokine that has potent stimulatory activity for antigen-activated T cells. It is expressed by CD4+ and CD8+ T cells, $\gamma\delta$ T cells, B cells, dendritic cells, and eosinophils. IL-2/IL-2R signaling is required for T-cell proliferation and other fundamental functions which are essential for the immune response. IL-2 stimulates growth and differentiation of B-cells, NK cells, lymphokine activated killer cells, monocytes, macrophages and oligodendrocytes.

Amino Acid Sequence:

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00001 APTSSSTKKT QLQLEHLLLD LQMILNGINN YKNPKLTRML
00041 TFKFYMPKKA TELKHLQCLE EELKPLEEVL NLAQSKNFHL
00081 RPRDLISNIN VIVLELKGSE TTFMCEYADE TATIVEFLNR
00121 WITFCQSIIS TLT
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Source: CHO

Species: Human

Biological Activity: ED₅₀ < 2ng/ml, measured in a cell proliferation assay using CTLL-2 cells.

Molecular Weight: 15 16 kDa, observed by reducing SDS-PAGE.

Formulation: Lyophilized after extensive dialysis against PBS..

Reconstitution: Reconstituted in ddH₂O or PBS at 100 μ g/ml.

Purity: > 95% as analyzed by SDS-PAGE.

Endotoxin Level: < 0.2 EU/ μ g, determined by LAL method.

Storage: Lyophilized recombinant Human Interleukin-2 (IL-2) remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, Human Interleukin-2 (IL-2) should be stable up to 1 week at 4°C or up to 2 months at -20°C.