

Human IL-2 cct-premium (HSA)

Synonyms: IL2, IL-2, TCGF, lymphokine

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order #	Lot #	Expiry Date
10 µg	1503.951.010		
100 µg	1503.951.100		

Please enquire for bulk quantities and other vial sizes

Description

IL-2 is a powerful immunoregulatory lymphokine produced by T-cells in response to antigenic or mitogenic stimulation. 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. Recombinant human IL-2 (modified at the C-terminal end) is a 15.5 kDa protein, containing 156 amino acid residues including one intrachain disulfide bond.

- **Source** *E. Coli*
- **Purity** ≥ 98 % (SDS-PAGE, silver stained)
- **Endotoxin level** ≤ 0.01ng/µg (≤ 0.1EU/µg)

Biological Activity

The ED₅₀ as determined by the dose-dependent stimulation of proliferation of murine D10G4.1 cells is in the range of 0.1-0.5 ng/ml.

Reconstitution

The lyophilized IL-2 should be reconstituted in 50mM acetic acid to a concentration not less than 100µg/ml. This solution can be diluted into other buffered solutions or stored at -20 °C for future use.

Amino Acid Sequence

MAPTSSSTKK TQLQLEHLLL DLQMILNGIN NYKNPKLTRM LTFKFYMPKK ATELKHLQCL EEELKPLEEV
LNLAQSKNFH LRPRDLISNI NVIVLELKGS ETTFMCEYAD ETATIVEFLN RWITFCQSII STLHYKDPAA
NKARKEAELA AATAEQ

Usage: For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

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