



CELLKINES

Recombinant Human Interleukin-2 (rhIL-2)

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|-----------------------|------------------|--|-------------------------------|
| Catalog Number | Unit Size | Lot Number: XXXXXX | |
| 0801114 | 20,000 IU | Specific Activity: X.X x10 ^X IU/mg | |
| 0802001 | 100 µg | Protein Concentration: X.XX µg/mL | |
| | | Potency: 20,000 IU/mL | Endotoxin: X.XXX ng/mL |

Potency is determined by proliferation of IL-2 dependent murine T-Cells.
Units are expressed relative to a reference value defined by the World Health Organization.

PRODUCT CHARACTERISTICS

Recombinant Human Interleukin-2 (rhIL-2, previously referred to as T-Cell Growth Factor), is an important biological protein that mediates the process of clonal expansion and maintenance of T-cell proliferation. It is a recombinant protein of high specific activity and purity. The rhIL-2 originates from the IL-2 gene found in human Jurkat cell line which was cloned into E. coli. This product differs from native IL-2 in two ways. First, it is not glycosylated, and second, the protein differs at two amino acid positions (the first three N-terminal amino acids are absent, and CYS at position 125 is substituted by SER). CELLKINES rhIL-2 with a molecular weight of 15.4 kDa is formulated in 2% fetal bovine serum (heat inactivated) as a stabilizer and sterile filtered.

RECOMMENDED USAGE

CELLKINES rhIL-2 is valuable in a variety of studies aimed at the mechanism of IL-2/T-cell interaction, regulation of T-cell growth cycle progression, receptor characterization and for *in vitro* laboratory studies of T-cell malignancies such as Adult T-cell Leukemia (ATL).

STORAGE AND STABILITY

Product is stable for one year from date of receipt when stored at ≤ -10°C.
Store in working aliquots at ≤ -10°C. to avoid multiple freeze-thaw cycles.

PI0801114
Rev. No./Replaces: 04/00

PCA No.: N/A

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FOR RESEARCH USE ONLY. NOT FOR *in vitro* DIAGNOSTIC OR CLINICAL USE

This Package Insert is provided for product evaluation purposes only and is not intended to be used in place of the Package Insert shipped with the product.