

CELLKINES

| ZMC Catalog #: | Recombinant Human Interleukin-2 (rhIL-2) Unit Size: | Fill Volume: | Lot Number: | |
|----------------|--------------------------------------------------------|--------------|-------------------------------|-------------------|
| 0801023 | 10,000 IU | 1.1 ml | Specific Activity: | |
| 0801114 | 20,000 IU | 1.1 ml | Protein Concentration: | |
| 0802001 | 100 µg | 1.1 ml | Potency: | Endotoxin: |

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 when stored at -20°C.
Store in working aliquots at -20°C to avoid multiple freeze-thaw cycles.

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All products are for Research Use Only and not for *in vitro* Diagnostic 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.