

32-20372: Recombinant Human IL-15(Discontinued)

Reactivity : Cow, Human, Mouse, Rat

Alternative Name : IL-T

Description

Source: *E. coli* IL-15 is an immunomodulating cytokine that stimulates the proliferation of T lymphocytes and shares many biological properties with IL-2. IL-15 exerts its biological activities primarily on T cells. It is also essential in the development, survival and activation of NK cells. Increased expression of IL-15 has been linked to rheumatoid arthritis, inflammatory bowel disease, and diseases affiliated with retroviruses HIV and HTLV-I. Human IL-15 is biologically active on mouse cells as measured by the dose-dependent stimulation of the proliferation of mouse CTLL cells. Recombinant Human IL-15 is a 12.9 kDa protein consisting of 115 amino acid residues.

Product Info

Amount : 2 µg / 10 µg

Purification : Purity: $\geq 98\%$ by SDS-PAGE gel and HPLC analyses.

Content : This recombinant protein is supplied in lyophilized form.

Amino Acid : MNWVNVISDL KKIEDLIQSM HIDATLYTES DVHPCKVTA MKCFLELQV ISLESGDASI HDTVENLIIL
ANNLSNNGN VTESGCKECE ELEEKNIKEF LQSFVHIVQM FINTS

Application Note

The ED_{50} as determined by the dose-dependent stimulation of the proliferation of CTLL-2 cells was found to be ≤ 0.5 ng/ml, corresponding to a specific activity of $\geq 2 \times 10^6$ units/mg.