

32-20213: Animal-Free Recombinant Rat IL-2(Discontinued)

Reactivity : Mouse

Alternative Name : T-cell growth factor (TCGF), Aldesleukin

Description

Source: E.coli 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 that 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 Rat IL-2 is a 15.3 kDa protein containing 134 amino acid residues.

Product Info

Amount : 5 µg / 20 µg

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

Content : This recombinant protein is supplied in lyophilized form.

Amino Acid : MAPTSSPAKE TQQHLEQLLL DLQVLLRGID NYKNLKLPMMLTFKFYLPKQ ATELKHLQCL ENELGALQRV
LDLTQSKSFH LEDAGNFISN IRVTVVKLKG SENKFECQFD DEPATVVEFL RRWIAIAQSI ISTM

Application Note

The ED_{50} as determined by the dose-dependent stimulation of the proliferation of murine CTLL-2 cells is ≤ 0.4 ng/ml, corresponding to a specific activity of $\geq 2.5 \times 10^6$ units/mg.