

32-20211: Animal-Free Recombinant Murine 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 Murine IL-2 is a 17.2 kDa protein containing 148 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 : PTSSSTSSST AEAQQQQQQQ QQQQHLLEQL LMDLQELLSR MENYRNKLP RMLTFKFYLP
KQATELKDLQ CLEDELGPLR HVLDLTQSKS FQLEDAENFI SNIRVTVVKL KGSDNTFECQ FDDSATVVD
FLRRWIAFCQ SIISTSPQ

Application Note

Determined by its ability to stimulate the proliferation of mouse CTLL-2 cells. The expected ED_{50} is ≤ 0.2 ng/ml, corresponding to a specific activity of $\geq 5 \times 10^6$ units/mg.