

## 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 AEAQQQQQQ QQQQHLLEQL LMDLQELLSR MENYRNLKLP RMLTFKFYLP  
KQATELKDLDQ CLEDELGPLR HVLDLTQSKS FQLEDAENFI SNIRVTVVVKL KGSDNTFECQ FDDESATVVD  
FLRRWIAFCQ SIISTSPQ

### Application Note

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