

## 32-20210: Recombinant Murine IL-2(Discontinued)

**Reactivity :** Human, 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 MENYRNLKLP RMLTFKFYLP  
KQATELKDLQ CLEDELGPLR HVLDLTQSKS FQLEDAENFI SNIRVTVVKL KGSDNTFECQ FDDSATVVD  
FLRRWIAFCQ SIISTSPQ

### Application Note

The  $ED_{50}$  as determined by the dose-dependent stimulation of murine CTLL-2 cells is  $\leq 0.2$  ng/ml, corresponding to a specific activity of  $\geq 5 \times 10^6$  units/mg.