

IL-2 (C145S) Human, Recombinant, E.coli

Cat.NO.: TP02597

3th Edition

Synonyms:IL-2, TCGF, Aldesleukin

Description:IL-2 (Interleukin-2), also known as T cell growth factor(TCGF), is an 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 which are essential for the immune response. IL-2 stimulates growth and differentiation of Bcells, NK cells, lymphokine activated killer cells, monocytes, macrophages and oligodendrocytes.

Form:Liquid. 20mM MES buffer (pH5.0), 10% glycerol

Molecular Weight:15.4kDa (133aa), confirmed by MALDI-TOF.

Sequences:

MPTSSSTKKTQLQLEHLLLDLQMILNGINNYKNPKLTRMLTFKIFYMPKKATELKHLCLEEEELKPLEEVLNLAQSKNF
HLRPRDLISNINVIVLELKGSETTFMCEYADETATIVEFLNRWITFSQSIISTLT

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.