

IL2(C160S), 21-169aa, Mouse, His tag, E.coli

Cat.NO.: TP02629

3th Edition

Synonyms: Interleukin-2, IL-2, T-cell growth factor, TCGF

Description: IL2 (Interleukin2), also known as T cell growth factor (TCGF), is an immunoregulatory lymphokine produced by T-cells in response to antigenic or mitogenic stimulation. IL2/IL-2R signaling is required for T-cell proliferation and other fundamental functions which are essential for the immune response. IL2 stimulates growth and differentiation of B-cells, NK cells, lymphokine activated killer cells, monocytes, macrophages and oligodendrocytes. Recombinant mouse IL2 was expressed in E.coli and purified by conventional chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer.

Form: Liquid. In Phosphate Buffered Saline (pH7.4), 10% glycerol

Molecular Weight: 17.3kDa (150aa) confirmed by MALDI-TOF

Sequences:

MAPTSSSTSSSTAEAAQQQQQQQQQQHLEQLLMDLQELLSRMENYRNKLPRLTFFKFLPKQATELKDQLQCL
EDELGPLRHVLDLTQSKSFQLEDAENFISNIRVTVVKLKGSNTFECQFDDESATVVDLRRWIAFSQSIISTSPQ

Purity: > 95% by HPLC

Concentration: 0.5mg/ml (determined by BCA 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.