

IL2, 21-155 aa, Canine, His-tag, E.coli

Cat.NO.: TP02630

3th Edition

Synonyms:Interleukin-2

Description:IL2, also known as Interleukin2, is an immunoregulatory lymphokine produced by T-cell 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 kill cells, monocytes, macrophages and oligodendrocytes. Recombinant canine IL2 protein was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In Phosphate Buffer Saline(pH7.4)

Molecular Weight:18.1kDa (160 aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSHMAPITSSSTKETEQQMEQLLLDLQLLNGVNNYENPQLSRMLTFKFYTPKK
ATEFTHLQCLAEELKNLEEVGLPQSKNVHLTDKELISNMNVTLKLKGSETSYNCEYDDETATITEFLNKWITFSQ
SIFSTLT

Purity:> 95% by HPLC

Concentration:0.5mg/ml (determined by Absorbance at 280nm)

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.