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32-8969: Recombinant Rat Interleukin-2/IL-2 (C-6His)

Gene : Il2
Gene ID : 116562
Uniprot ID : P17108

Description

Source: Human Cells.
MW :16.3kD.
Recombinant Rat Interleukin-2 is produced by our Mammalian expression system and the target gene encoding Ala21-Gln155 is expressed with a 6His tag at the C-terminus. Interleukin-2(IL-2)is a O-glycosylated four alpha -helix bundle cytokine that has potent stimulatory activity for antigenactivated T cells. It is expressed by CD4+ and CD8+ T cells, gamma delta T cells, B cells, dendritic cells, and eosinophils. Mature rat IL-2 shares 66% and 73% amino acid sequence identity with human and mouse IL-2,respectively. The receptor for IL-2 consists of three subunits that are present on the cell surface in varying preformed complexes. 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.

Product Info

Amount : 10 µg / 50 µg
Content : Supplied as a 0.2 µm filtered solution of 5mM NaH2PO4, 5mM Citric acid, 150mM NaCl, pH4.0.
Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid : APTSSPAKETQQHLEQLLLDLQVLLRGIDNYKNLKLPMMLTFKFYLPKQATELKHLQCLENELGALQRVLDLTQS KSFHLEDAGNFISNIRVTVVKLKGSENKFECQFDDEPATVVEFLRRWIAICQSIISTMTQHHHHHH

Application Note

Endotoxin : Less than 0.1 ng/Ã□Âµg (1 IEU/Ã□Âµg) as determined by LAL test.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.