

32-20216: Animal-Free Recombinant Human IL-3(Discontinued)

Reactivity : Human, Monkey, Mouse

Alternative Name : MCGF (Mast cell growth factor), Multi-CSF, HCGF, P-cell stimulation factor

Description

Source: E.coli IL-3 is a hematopoietic growth factor that promotes the survival, differentiation and proliferation of committed progenitor cells of the megakaryocyte, granulocyte-macrophage, erythroid, eosinophil, basophil and mast cell lineages. Produced by T cells, mast cells and eosinophils, IL-3 enhances thrombopoiesis, phagocytosis, and antibody-mediated cellular cytotoxicity. Its ability to activate monocytes suggests that IL-3 may have additional immunoregulatory roles. Many of the IL-3 activities depend upon co-stimulation with other cytokines. IL-3 is a species-specific, variably glycosylated cytokine. Recombinant Human IL-3 is a 15.0 kDa globular protein containing 133 amino acid residues.

Product Info

Amount : 2 µg / 10 µg

Purification : Purity: $\geq 98\%$ by SDS-PAGE gel and HPLC analyses.

Content : This recombinant protein is supplied in lyophilized form.

Amino Acid : APMTQTSLK TSWVNCNMI DEIITHLKQP PLPLDFNNL NGEDQDILME>NNLRRPNLEA FNRVKSLLQN
ASAIESILKN LLPCLPLATA APTRHPIHK DGDWNEFRRK LTFYKLTLEN AQAQQTLSL AIF

Application Note

The ED_{50} was determined by the dose-dependent stimulation of the proliferation of human TF-1 cells is ≤ 0.1 ng/ml, corresponding to a specific activity of $\geq 1 \times 10^7$ units/mg.