

32-20335: Recombinant Rat IL-3 Beta(Discontinued)

Reactivity : Mouse, Rat

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 Rat IL-3Beta is a 16.3 kDa globular protein containing 144 amino acid residues.

Product Info

Amount : 5 µg / 20 µg

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

Content : This recombinant protein is supplied in lyophilized form.

Amino Acid : MISDRGSDAH HLLRTLDCRT IALEILVKLP YPQVSGLNNS DDKANLRNST LRRVNLDEFL KSQEEFDSQD
TTDIKSKLQK LKCCIPAAAS DSVLPGVYNK DLDDFKKKLR FYVIHLKDLQ PVSVSRRPPQ TSSSDNFRPM
TVEC

Application Note

The ED_{50} was determined by the dose-dependent stimulation of the proliferation of thymidine uptake by murine MC-9 cells is ≤ 10 ng/ml, corresponding to a specific activity of $\geq 1.0 \times 10^5$ units/mg.