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Datasheet for ABIN988069

IL-3 Protein

Overview

Quantity:	10 µg
Target:	IL-3
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Biological Activity:	Active

Product Details

Sequence:	ASISGRDTHR LTRTLNCCSI VKEIIGKLPE PELKTDDEGP SLRNKSFRRV NLSKFVESQG EVDPEDRYVI KSNLQQLNCC LPTSANDSAL PGVFIRDLLD FRKCLRFBMV HLNDLETVLT SRPPQPASGS VSPNRGTVE
Characteristics:	The ED50 as determined by the dose-dependent stimulation of the proliferation of mouse M-NFS-60 cells is < 0.05 ng/ml, corresponding to a specific activity of > 2.0 x 10 ⁷ units/mg.
Purity:	> 98 % by SDS-PAGE and HPLC analyses.
Endotoxin Level:	Level Less than 1EU/µg of rMull-3 as determined by LAL method

Target Details

Target:	IL-3
Alternative Name:	Interleukin-3 (IL-3) (IL-3 Products)
Background:	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

Target Details

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 species-specific, variably glycosylated cytokine. Synonym: Interleukin-3 (IL-3), Mouse. Formulation: Lyophilized from a 0.2µm filtered solution in PBS, pH 7.4.

Molecular Weight: Approximately 15.6 kDa globular protein containing 140 amino acid residues.

Pathways: [JAK-STAT Signaling](#), [Regulation of Carbohydrate Metabolic Process](#), [Autophagy](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at

Storage: 4 °C