

Datasheet for ABIN2018017
IL-3 Protein (AA 20-152)



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Overview

Quantity:	50 µg
Target:	IL-3
Protein Characteristics:	AA 20-152
Origin:	Human
Source:	CHO Cells
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Characteristics:	ED50 < 0.1 ng/mL, measured in a cell proliferation assay using TF-1 cells, corresponding to a specific activity of > 1x10 ⁷ units/mg.
Purity:	> 95 % as analyzed by SDS-PAGE and HPLC.
Endotoxin Level:	< 0.2 EU/µg, determined by LAL method.

Target Details

Target:	IL-3
Abstract:	IL-3 Products
Background:	Interleukin-3 (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 thrombopoieses, phagocytosis, and antibody-mediated cellular

Target Details

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. Recombinant human interleukin 3 expressed in CHO cells is glycosylated protein with molecular weight range from 17 to 30 kDa shown in non-reducing SDS-PAGE.

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

Molecular Weight:	17-30 kDa, observed by non-reducing SDS-PAGE.
UniProt:	Q6GS87
Pathways:	JAK-STAT Signaling , Regulation of Carbohydrate Metabolic Process , Autophagy

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Reconstituted in ddH2O or PBS at 100 µg/mL.
Buffer:	Lyophilized after extensive dialysis against PBS.
Storage:	-80 °C
Storage Comment:	Lyophilized recombinant human Interleukin 3 (IL-3) remains stable up to 6 months at -80 °C from date of receipt. Upon reconstitution, rhIL-3 should be stable up to 1 week at 4 °C or up to 2 months at -20 °C.
Expiry Date:	6 months