

Rev02
 Update: Aug,08,2025
DATASHEET

IL-3, His, Mouse

Cat. No.: Z06208

Product Introduction

Species	Mouse
Protein Construction	<div style="display: flex; align-items: center; justify-content: center;"> <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center;"> IL-3 (Ala27-Cys166)_x000D_ Accession # P01586 </div> <div style="background-color: #76923c; color: white; padding: 5px; text-align: center; margin-left: 10px;"> His </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 5px; font-size: small;"> N-term C-term </div>
Purity	> 95% as determined by BisTris PAGE > 95% as determined by HPLC
Endotoxin Level	Less than 1EU per µg by the LAL method.
Biological Activity	Measured in a cell proliferation assay using NFS60 mouse myelogenous leukemia lymphoblast cells. The ED50 for this effect is 0.1-0.5 ng/mL. Test result was comparable to standard batch.
Expression System	HEK293
Theoretical Molecular Weight	16.77 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 27-40 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4).
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage & Stability	Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

Background

Target Background : Interleukin 3 is a pleiotropic factor produced primarily by activated T cells that can stimulate the proliferation and differentiation of pluripotent hematopoietic stem cells as well as various lineage committed progenitors. This CSF induces granulocytes, macrophages, mast cells, stem cells, erythroid cells, eosinophils and megakaryocytes.

Synonyms : IL3; IL-3; IL-3MGC79398; interleukin-3; MULTI-CSF; MCGF

For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.

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