

## Murine IL-3

Synonyms: MCGF (Mast cell growth factor), Multi-CSF, HCGF, P-cell stimulation factor, IL-3, MGC79398, MGC79399.

*PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING*

Size	Order #	Lot #	Expiry Date
2 µg	1510.960.002		
10 µg	1510.960.010		
50 µg	1510.960.050		
100 µg	1510.960.100		
1 mg	1510.960.199		

Please enquire for bulk quantities and other vial sizes

### Description

Recombinant Murine Interleukin-3 produced in *E.Coli* is a single, non-glycosylated polypeptide chain containing 135 amino acids and having a molecular mass of 15100 Dalton.

- **Biological Activity**  $\geq 2 \times 10^7$  IU/mg
- **Source** *E. Coli*
- **Purity**  $\geq 97$  % (SDS-PAGE, SEC-HPLC)
- **Endotoxin level**  $\leq 0.1$  ng/µg ( $\leq 1$  EU/µg)
- **Buffer** Lyophilized from a concentrated (1mg/ml) solution in water containing no additives\*
- **Physical state** Sterile filtered, lyophilized

### Biological Activity

The ED<sub>50</sub> as determined by the dose-dependant stimulation of murine M-NFS-60 cells is < 0.05 ng/ml, corresponding to a Specific Activity of 20,000,000IU/mg.

### Reconstitution

We recommend a quick spin followed by reconstitution in sterile water to a concentration of at least 100 µg/ml, which can then be further diluted to other aqueous solutions. Do not vortex.

### Stability

Lyophilized Interleukin-3 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL-3 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). **Please avoid repeated freeze-thaw cycles.**

### Amino Acid Sequence

The sequence of the first five N-terminal amino acids was determined and was found to be Met-Asp-Thr-His-Arg.

**Usage:** For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

\*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

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