9051 Mira Mesa Blvd, #910094
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# IL 3 Rhesus Macaque

*Interleukin-3 Rhesus Macaque Recombinant*
*CYK0320*

## Product Overview

| | |
|---|---|
| Name | IL 3 Rhesus Macaque |

**Description**

Interleukin-3 Rhesus Macaque Recombinant

**Synonyms**

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

**Introduction**

IL3 is a potent growth promoting cytokine. This cytokine is capable of supporting the proliferation of a broad range of hematopoietic cell types. It is involved in a variety of cell activities such as cell growth, differentiation and apoptosis. This cytokine has been shown to also possess neurotrophic activity, and it may be associated with neurologic disorders.

**Source**

Escherichia Coli.

**Physical Appearance**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Formulation**

Lyophilized from a 0.2 μm filtered concentrated solution in PBS, pH 7.4.

**Stability**

Lyophilized IL-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. Please prevent freeze-thaw cycles.

**Purity**

Greater than 97.0% as determined by SDS-PAGE.

**Amino acid sequence**

APMTQTTSLK TSWAKCSNMI DEIITHLNQP PLPSPDFNNL NEEDQTILVE KNLRRSNLEA FSKAVKSLQN ASAIESILKN LPPCLPMATA APTRPPIRIT NGDRNDFRRK LKFYLKTLEN EQAQ

**Biological Activity**

The ED50 as determined by the dose-dependant stimulation of the proliferation of human TF-1 cells is less than 0.1ng/ml, corresponding to a Specific Activity of 10,000,000IU/mg.

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## Solubility

It is recommended to reconstitute the lyophilized IL-3 in sterile 18M-cm H 2 O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

## Precautions

IL 3 Rhesus Macaque is for research use only and not for use in diagnostic or therapeutic procedures.