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# **IL-3 ELISA Kit**



Image



#### Overview

Quantity:	1 kit
Target:	IL-3
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	15.6 pg/mL - 1000 pg/mL
Minimum Detection Limit:	15.6 pg/mL
Application:	ELISA

#### **Product Details**

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin - citrate), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	Synonyms: Burst promoting activity, Colony stimulating factor multiple, Eosinophil colony stimulating factor, Hematopoietic growth factor, IL 3, IL-3, IL3, IL3_HUMAN, Interleukin 3, Interleukin-3, Mast cell growth factor, MCGF, Multi CSF, Multilineage colony stimulating factor Multipotential colony stimulating factor, Multipotential colony-stimulating factor, P cell stimulating factor, P-cell-stimulating factor, Thy1 inducing factor  Background: The gene IL-3 encodes interleukin 3, a hematopoietic colony-stimulating factor(CSF) that is capable of supporting the proliferation of a broad range of hematopoietic
	cell types. Interleukin-3(IL-3), a protein of 140 amino acids, is chemically synthesized by means

of an automated peptide synthesizer and is shown to have the biological activities attributed to native IL-3. The cDNA sequence for murine interleukin-3, one of the colony stimulating factors that regulate haematopoiesis, codes for a polypeptide of 166 amino acids including a putative signal peptide. The mouse IL 3 gene is located on chromosome 11. The human gene encoding IL 3 is tandemly arrayed on the long arm of chromosome 5. The standard product used in this kit is recombinant human IL-3, consisting of 133 amino acids with the molecular mass of 15KDa.

Gene Name: IL3

Production: Natural and recombinant human IL-3. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: E.coli, Immunogen sequence: A20-F152

#### **Target Details**

Target:	IL-3	
Alternative Name:	IL-3 (IL-3 Products)	
Gene ID:	3562	
NCBI Accession:	NP_000579	
UniProt:	P08700	
Pathways:	JAK-STAT Signaling, Regulation of Carbohydrate Metabolic Process, Autophagy	

#### **Application Details**

Application	Notes
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Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL, 31.2pg/mL, 15.6pg/mL human IL-3 standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates, serum or plasma( heparin, EDTA, citrate) to each empty well. It is recommended that each human IL-3 standard solution and each sample be measured in duplicate.

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 15.6pg/mL-1000pg/mL

Sample Volume: 100 µL

Plate: Pre-coated

### **Application Details**

Restrictions:

For Research Use only

## Handling

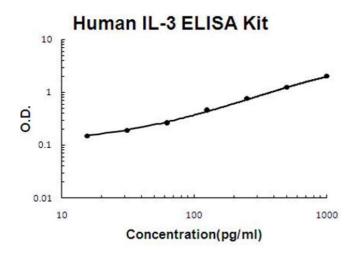
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RT,4 °C,-20 °C

Storage Comment:

Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

#### **Images**



#### **ELISA**

Image 1. Human IL-3Accusignal ELISA Kit Human IL-3AccuSignal ELISA Kit standard curve. AssayRange: 15.6pg/ml-1000pg/ml. Sensitivity: <1pg/ml.</td>