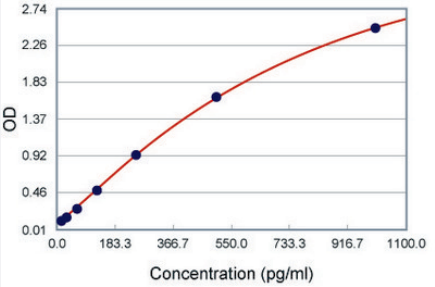
IL3 (Human) ELISA Kit

Catalog # KA0360 Size 1 Kit

Applications



The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Specification

Product Description	IL3 (Human) ELISA Kit is a sandwich enzyme immunoassay for the quantitative measurement of human IL3.
Suitable Sample	Cell Culture Supernatant, Serum, Plasma (heparin, EDTA, citrate)
Sample Volume	100 uL
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	15.6 to 1000 pg/mL
Reactivity	Human
Regulation Status	For research use only (RUO)
Storage Instruction	Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles.

Applications

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- Quantification

Gene Info — IL3

Entrez GeneID	3562
Gene Name	IL3
Gene Alias	IL-3, MCGF, MGC79398, MGC79399, MULTI-CSF
Gene Description	interleukin 3 (colony-stimulating factor, multiple)
Omim ID	147740
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene 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 variet y 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. [provid ed by RefSeq
Other Designations	P-cell stimulating factor|hematopoietic growth factor|interleukin 3|mast-cell growth factor|multilinea ge-colony-stimulating factor

Publication Reference

- The interleukin 3 gene is located on human chromosome 5 and is deleted in myeloid leukemias with a deletion of 5q.

  Le Beau MM, Epstein ND, O'Brien SJ, Nienhuis AW, Yang YC, Clark SC, Rowley JD.

  PNAS 1987 Aug; 84(16):5913.

- Automated chemical synthesis of a protein growth factor for hemopoietic cells, interleukin-3.

  Clark-Lewis I, Aebersold R, Ziltener H, Schrader JW, Hood LE, Kent SB.

  Science 1986 Jan; 231(4734):134.

  Application: Quant, Human, Bone marrow cells

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- Molecular cloning of cDNA for murine interleukin-3.

  Fung MC, Hapel AJ, Ymer S, Cohen DR, Johnson RM, Campbell HD, Young IG.

  Nature 1984 Jan; 307(5948):233.

Pathway

- Apoptosis
- Asthma
- Cytokine-cytokine receptor interaction
- Fc epsilon RI signaling pathway
- Hematopoietic cell lineage
- Jak-STAT signaling pathway

Disease

- Adenocarcinoma
- Alzheimer disease
- Arthritis
- Asthma
- Bronchial Hyperreactivity
- Bronchiolitis
- Cardiovascular Diseases
- Celiac Disease
- Chorioamnionitis
- Diabetes Complications
- Diabetes Mellitus
- Edema
- Esophageal Neoplasms

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- Fetal Membranes
- Genetic Predisposition to Disease
- Graves Disease
- Hyperparathyroidism
- Hypersensitivity
- Hypertension
- Infant
- Kidney Failure
- Lung Neoplasms
- Lymphoma
- Malaria
- Metabolic Syndrome X
- Multiple Sclerosis
- Neoplasms
- Obstetric Labor
- Osteoporosis
- Pre-Eclampsia
- Pregnancy Complications
- Premature Birth
- Pulmonary Disease
- Respiratory Syncytial Virus Infections
- Rhinitis
- Schizophrenia
- Thyroid Neoplasms
- Urinary Bladder Neoplasms

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- Werner syndrome

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