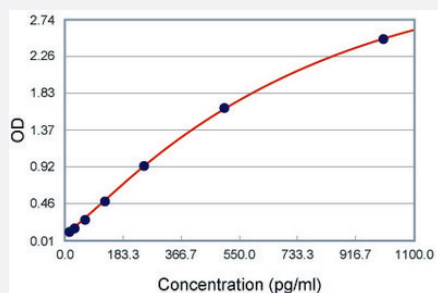


IL3 (Human) ELISA Kit

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 μ L
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

- 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 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. [provided by RefSeq]
Other Designations	P-cell stimulating factor hematopoietic growth factor interleukin 3 mast-cell growth factor multilineage-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

- [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](#)

- [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](#)

- [Werner syndrome](#)