



Human Interleukin 3,IL-3 ELISA KIT

Product Code	CSB-E04631h
Abbreviation	IL3
Uniprot No.	P08700
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, tissue homogenates.
Detection Range	62.5 pg/ml-4000 pg/ml.
Sensitivity	15.6 pg/ml.
Assay Time	1-5h
Sample Volume	50-100ul
Detection Wavelength	450 nm
Lead Time	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
Research Area	Immunology
Gene Names	IL3
Tag Info	quantitative
Protein Description	Sandwich

Description

This human IL-3 ELISA kit employs the quantitative sandwich enzyme immunoassay technique to measure the levels of human IL-3 in multiple samples, including serum, plasma, or tissue homogenates. It also uses the enzyme-substrate chromogenic reaction to visualize and analyze the analyte levels through the color intensity. The intensity of the colored product is in direct proportion to the IL-3 levels in the sample and is measured at 450 nm through a microplate reader.

IL-3 is primarily produced by activated T-cells and plays a critical role in the activation and survival of a diverse group of cells, including mast cells and basophils, monocytes, B cells, T cells, and endothelial cells. IL-3 is involved in the hematopoietic response to infectious, immunologic, and inflammatory stimuli. Studies have shown that IL-3 contributes to inflammation and autoimmunity. IL-3 acts by binding to high-affinity cell surface receptors present on hematopoietic cells. IL-3/IL-3R α signaling is responsible for cytokine storms during the pathogenesis of cecal ligation and puncture-induced sepsis and is suggested as a potential therapeutic target for sepsis.

Msds

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