



Human Interleukin 15,IL-15 ELISA KIT

Product Code	CSB-E04603h
Abbreviation	IL15
Uniprot No.	P40933
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, tissue homogenates
Detection Range	3.12 pg/ml - 200 pg/ml
Sensitivity	0.78 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	IL15
Tag Info	quantitative
Protein Description	Sandwich

Description

This human IL15 ELISA kit employs the quantitative sandwich enzyme immunoassay technique to measure the levels of human IL15 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 IL15 levels in the sample and is measured at 450 nm through a microplate reader.

IL15 is a pleiotropic cytokine that is mainly produced by macrophages, monocytes and DCs and plays an important role in innate and adaptive immunity. It is especially involved in lymphocyte and NK cell functioning and homeostasis. IL15 signals through a receptor complex composed of the IL2/IL15 receptor β (CD122) and the common γ c receptor subunit (CD132). IL15 is highly expressed in skeletal muscle and has also been identified as an anabolic factor. It participates in muscle-adipose tissue interaction. IL15 also exhibits pro-inflammatory potential and is involved in the pathogenesis of several autoimmune diseases, including inflammatory bowel disease, rheumatoid arthritis, and multiple sclerosis (MS).

Msds

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