



Mouse Interleukin 15, IL-15 ELISA Kit

Product Code	CSB-E04604m
Abbreviation	IL15
Uniprot No.	P48346
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Sample Types	serum, plasma, tissue homogenates
Detection Range	0.3125 - 20ng/ml
Sensitivity	0.078 ng/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 mouse IL15 ELISA kit employs the quantitative sandwich enzyme immunoassay technique to measure the levels of mouse IL15 in multiple samples, including serum, plasma, or tissue homogenates. The enzyme-substrate chromogenic reaction is also used to amplify the signal and quantify the levels of the analyte through the intensity of the colored product. The color intensity positively correlates with the amount of IL15 bound in the initial step.

IL15 is a pleiotropic pro-inflammatory cytokine that promotes the development and homeostasis of a group of lymphocytes. IL15 binds to its receptor complex, initiating a signaling cascade that enhances immune responses in natural killer cells and subsets of T cells and inducing the production of a plethora of proto-oncogenes. It plays a major role in the development of inflammatory and protective immune responses to microbial invaders and parasites by regulating immune cells of both the innate and adaptive immune systems. Upregulation of IL15 has been frequently detected during immune stimulation, pathogen infections, and numerous other inflammatory situations.

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