



Human Interleukin 5,IL-5 ELISA KIT

Product Code	CSB-E04636h
Abbreviation	IL5
Uniprot No.	P05113
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, tissue homogenates
Detection Range	3.9 pg/ml-250 pg/ml
Sensitivity	0.97 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	IL5
Tag Info	quantitative
Protein Description	Sandwich
Description	The human IL-5 ELISA kit is suitable for the quantitative determination of human IL-5 in different sample types, including serum, plasma, and tissue homogenates. This assay employs the bi-antibody sandwich technique and enzyme-substrate chromogenic reaction to quantify antigen levels in the sample. The amount of synthesized colored products is positively related to the analyte of interest in the sample. IL-5 is a homodimeric cytokine responsible for the maturation of eosinophils in the bone marrow and their release into the blood. In humans, IL-5 functions exclusively on eosinophils and basophils and induces their maturation, growth, activation, and survival. In allergies, IL-5 does not take part in IgE synthesis rather than acting on mast cells to promote histamine release. IL-5 increases the expression of IL-2 receptors on B-cells and promotes B-cell proliferation and differentiation. IL-5 is associated with the pathogenesis of atopic diseases.
Msds	{ "0": { "fileurl": "https://www.cusabio.com/uploadfile/msds/MSDS CSB-E04636h.pdf", "filename": "MSDS" } }