



Mouse Interleukin 13,IL-13 ELISA Kit

Product Code	CSB-E04602m
Abbreviation	IL13
Uniprot No.	P20109
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Sample Types	serum, plasma, tissue homogenates
Detection Range	78 pg/ml - 5000 pg/ml
Sensitivity	19.5 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	Il13
Tag Info	quantitative
Protein Description	Sandwich

Description

The mouse IL13 (IL13) ELISA Kit quantitates mouse IL13 levels in multiple samples, including serum, plasma, and tissue homogenates. IL-13 is a Th2 cytokine involved in effective repair after acute lung injury and the pathogenesis of chronic diseases such as allergic asthma. IL-13 induces hypersensitivity of the airways, augments mucous production, activates fibroblasts, elevates serum Ig E levels, and increases the number of eosinophils. During schistosomiasis and other pathologies, IL-13 has been described to promote liver fibrosis. IL-13 binds to the type II receptor IL-4R α and IL-13R α 1 for signaling via JAK1/2, leading to the activation of STAT6 and subsequent transcription of genes affecting cell proliferation and inflammation.

This kit employs the sandwich-ELISA mechanism in conjugation with IL13 antibody-IL13 antigen-specific binding as well as HRP-TMB chromogenic reaction to measure the concentration of IL13 in the samples. The kit is characterized by high sensitivity, strong specificity, good linearity, high recovery, and a precision of less than 10%.

Msds

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