



Mouse Interleukin 11,IL-11 ELISA KIT

Product Code	CSB-E04597m
Abbreviation	IL11
Uniprot No.	P47873
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	Il11
Tag Info	quantitative
Protein Description	Sandwich

Description

The mouse IL11 Elisa kit is suitable for the quantitative measurement of mouse IL11 in serum, plasma, or tissue homogenates. This assay employs the sandwich enzyme immunoassay technique and enzyme-substrate chromogenic reaction. The color develops positively to the amount of mouse IL11 in samples. The color development is stopped and the intensity of the color is measured. This kit displays many advantages, including high sensitivity, strong specificity, and lot-to-lot consistency.

IL11 binds to its cognate receptor IL11RA, forming the IL11/IL11RA complex that subsequently signals via the gp130 receptor to activate JAK/STAT and ERK pathways to enhance the translation of profibrotic genes. IL11 has been associated with various autoimmune diseases, including rheumatoid arthritis, multiple sclerosis, diabetes, and systemic sclerosis, and has been involved in inflammatory pathologies such as asthma, chronic obstructive pulmonary disease (COPD), inflammatory bowel disease, periodontitis, and psoriasis.

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