



Human Interleukin 17A (IL-17A/IL-17) ELISA Kit

Product Code	CSB-E12819h
Abbreviation	IL17A
Uniprot No.	Q16552
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, tissue homogenates
Detection Range	62.5 pg/ml - 4000 pg/ml
Sensitivity	15.6 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	IL17A
Tag Info	quantitative
Protein Description	Sandwich

Description

CUSABIO's human IL17A ELISA kit is an in vitro enzyme-linked immunosorbent assay for the quantitative determination of IL17A concentrations in serum, plasma, and tissue homogenates. This assay exclusively recognizes human IL17A. The quantitative sandwich ELISA technique of this kit is based on IL17A antibody-IL17A antigen interactions and an HRP colorimetric detection system to detect the levels of IL17A in samples. The intensity of the color is positively proportional to the amount of bound IL17A in the initial step.

IL-17, also known as IL17A, is a key pro-inflammatory cytokine that links T cell activation to neutrophil mobilization and activation. It not only protects the host against extracellular pathogens but also helps to clear intracellular pathogens. IL-17 binding to IL-17RA and IL-17RC activates the ACT1-mediated NF- κ B pathway, inducing the production of many inflammatory genes, including TNF α , IL-6, and IL-1. Dysregulated IL-17 production or signaling often leads to unresolved inflammation, resulting in the autoimmune response and tissue destruction. Uncontrolled IL-17 activity is related to different immunopathological conditions, autoimmune disorders, and cancer progression. IL-17 has been shown to promote the formation, growth, and metastasis of various tumors.

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