



Human Interleukin 31(IL-31) ELISA Kit

Product Code	CSB-E16999h
Abbreviation	IL31
Protein Biological Process 1	Immunity
Uniprot No.	Q6EBC2
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, tissue homogenates.
Detection Range	125 pg/ml-8000 pg/ml.
Sensitivity	31.25 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	IL31
Tag Info	quantitative
Protein Description	Sandwich

Description

This human IL-31 ELISA kit employs the quantitative sandwich enzyme immunoassay technique to measure the levels of human IL-31 in multiple samples, including serum, plasma, or tissue homogenates. It also uses the enzyme-substrate chromogenic reaction to visualize and analyze the analyte levels through the color intensity. The intensity of the colored product is in direct proportion to the IL-31 levels in the sample and is measured at 450 nm through a microplate reader.

IL-31 signaling controls a wide range of biological functions and immunomodulatory effects, such as the release of chemokines, proinflammatory cytokines, modulation of cell proliferation, and stimulation of dorsal root ganglia (DRG) sensory neurons which are responsible for the induction of itch. Alongside its pruritogenic actions, IL-31 has a proinflammatory role due to the upregulation of proinflammatory gene expressions in T cells, including CCL2 and granulocyte colony-stimulating factor. Elevated levels of IL-31 have now been found in various inflammatory skin diseases including prurigo nodularis, atopic dermatitis, contact eczema, chronic spontaneous urticaria (CsU), as well as in a subset of patients with mastocytosis.

**Msd**

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