

Resource Summary Report

Generated by [dkNET](#) on Sep 17, 2026

ELISA for quantification of IL-29 in human serum.

DOI:10.17504/protocols.io.bj3ykqpw

Type: Protocol

Proper Citation

Angel Justiz-Vaillant 2020. ELISA for quantification of IL-29 in human serum.. protocols.io dx.doi.org/10.17504/protocols.io.bj3ykqpw

Protocol Information

URL: <https://dx.doi.org/10.17504/protocols.io.bj3ykqpw>

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Summary: Interleukins (IL) are a type of cytokine first thought to be expressed by leukocytes alone but have later been found to be produced by many other body cells. They play essential roles in the activation and differentiation of immune cells, as well as proliferation, maturation, migration, and adhesion. They also have pro-inflammatory and anti-inflammatory properties. The primary function of interleukins is, therefore, to modulate growth, differentiation, and activation during inflammatory and immune responses. Interleukins consist of a large group of proteins that can elicit many reactions in cells and tissues by binding to high-affinity receptors in cell surfaces. IL-29 is a type-3 interferon and produced by virus-infected cells, dendritic cells, and regulatory T-cells. It upregulates viral protective responses. Virus-infected cells may regulate IL-29 genome. [1]Reference1. Justiz Vaillant AA, Qurie A. Interleukin. In:StatPearls. Treasure Island (FL): StatPearls Publishing; June 12, 2019.

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Version: 1

Publication Date: 2020

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Record Creation Time: 20210329T220517+0000

Record Last Update: 20210329T220834+0000

Data and Source Information

Source: