

Datasheet for ABIN6720230

IL29 ELISA Kit



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1 Image

Overview

Quantity:	1 kit
Target:	IL29
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	62.5 pg/mL - 4000 pg/mL
Minimum Detection Limit:	62.5 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric

Characteristics:

Synonyms: Cytokine ZCYT021, IFN lambda 1, IFN-lambda-1, IFNL1, IL 29, IL-29, IL29, IL29_HUMAN, Interferon lambda 1, Interferon lambda-1, Interferon, lambda 1, Interleukin 29, Interleukin-29

Background: Interferon lambda-1, also called Interleukin-29(IL-29) is a protein that in humans is encoded by the IL29 gene. IL-29 is a member of the helical cytokine family and is a type III interferon. This gene is mapped to 19q13.2. It is a cytokine with immunomodulatory activity. This gene may play a role in antiviral immunity. It can up-regulates MHC class I antigen expression. It is the ligand for the heterodimeric class II cytokine receptor composed of IL10RB

Product Details

and IFNLR1. The ligand/receptor complex seems to signal through the Jak-STAT pathway. IL-29 plays an important role in host defenses against microbes and its gene is highly upregulated in cells infected with viruses.

Gene Name: IFNL1

Production: Natural and recombinant human IL-29. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: G20-T200

Target Details

Target: IL29

Alternative Name: IL-29 ([IL29 Products](#))

Gene ID: 282618

NCBI Accession: [NP_742152](#)

UniProt: [Q8IU54](#)

Application Details

Application Notes: Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 4000pg/mL, 2000pg/mL, 1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL human IL-29 standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each human IL-29 standard solution and each sample be measured in duplicate.

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 62.5pg/mL-4000pg/mL

Sample Volume: 100 µL

Plate: Pre-coated

Restrictions: For Research Use only

Handling

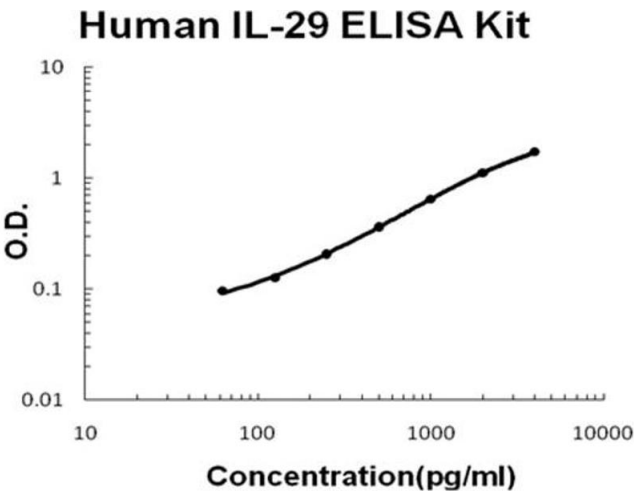
Storage: RT, 4 °C, -20 °C

Storage Comment: Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at

Handling

room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

Images



ELISA

Image 1. Human IL-29 Accusignal ELISA Kit Human IL-29

AccuSignal ELISA Kit standard curve. Assay

Range: 62.5pg/ml-4000pg/ml. Sensitivity: <10pg/ml.