

Human IL-29/IFNL1 ELISA Kit | IL-29/IFNL1 elisa kit

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CATALOG #
AAA258449

REACTIVITY
Human

PRODUCT SYNONYMS

IL-29/IFNL1; Human IL-29/IFNL1 ELISA Kit; IL-29 ELISA Kit; Human; interferon; lambda 1; IFNL1 ELISA Kit; IL29 ELISA Kit; IL-29/IFNL1 elisa kit

PRODUCT SPECIFICATIONS

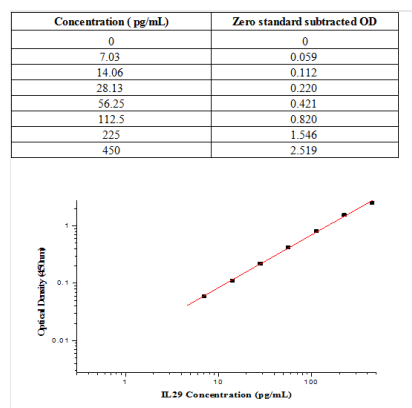
Reactivity	Human
Specificity	For the quantitative determination of Human IL-29/IFNL1 concentration in cell culture supernates.
Assay Type	Solid Phase Sandwich ELISA (quantitative)
Sample Types	Cell supernatant
Detection Range	7.03-450pg/mL
Sensitivity	1.44pg/mL
Conjugation	HRP
Interference	Preparations of human IL28A, IL28B at 10ng/mL in a mid-range recombinant human IL29 control were assayed for interference. No significant interference was observed.
Materials Provided	1. 96 well microplate coated with Capture Antibody 2. Detection Antibody conjugated to HRP 3. Standards 4. Wash Buffer Concentrate 5. Dilution Buffer Concentrate 6. Color Reagent A 7. Color Reagent B 8. Stop Solution

IMAGES

Recombinant human			
IL1	IL2	IL33	IL10
IL8	PDGF	TNF- α	IL4
IL6	IFN- γ	VEGF	MIP-1 β
TIMP1	TIMP2	GM-CSF	SCF
IL28A	IL28B		

Application Data

This assay recognizes both recombinant and natural Human IL29. The factors listed below were prepared at 10ng/mL in dilution buffer and assayed for cross-reactivity. No cross-reactivity was observed.



Standard Curve (Sample)

This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.

ADDITIONAL INFORMATION

Related Product Information for IL-29/IFNL1 elisa kit	This IL-29 ELISA Kit, Human is an enzyme-linked immunosorbent assay for the quantitative measurement of Human IL-29 protein in Cell supernatant. It contains recombinant Human IL-29, and antibodies raised against the recombinant protein. This ELISA kit is complete and ready-to-use. Background: Interleukin-29 (IL-29), also known as cytokine Zcyto21, Interferon lambda-1, IFN-lambda-1, and IFNL1, is a secreted protein that belongs to the IL-28/IL-29 family. IL-29 is a cytokine with immunomodulatory activity. IL-29 is highly similar in amino acid sequence to the IL-28. IL-28 and IL-29 are induced by a viral infection and showed antiviral activity. IL-28 and IL-29 interacted with a heterodimeric class II cytokine receptor that consisted of IL-10 receptor beta (IL-10Rbeta) and an orphan class II receptor chain, designated IL-28Ralpha. IL-29 plays an important role in host defenses against microbes and its gene is highly upregulated in cells infected with viruses. IL-29 may play a role in antiviral immunity. IL-29 up-regulates MHC class I antigen expression. It is a Ligand for the heterodimeric class II cytokine receptor composed of IL10RB and IL28RA. The ligand/receptor complex seems to signal through the Jak-STAT pathway.
References	Li MC, et al. (2006) Liposome-mediated IL-28 and IL-29 expression in A549 cells and anti-viral effect of IL-28 and IL-29 on WISH cells. Acta Pharmacol Sin. 27(4): 453-9. Wang J, et al. (2009) Differentiated human alveolar type II cells secrete antiviral IL-29 (IFN-lambda 1) in response to influenza A infection. J Immunol. 182(3): 1296-304. Jordan WJ, et al. (2007) Modulation of the human cytokine response by interferon lambda-1 (IFN-lambda1/IL-29). Genes Immun. 8(1): 13-20.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/il-29-ifnl1/258449>