

Human IL-29 ELISA Kit | IFNL1 elisa kit

Human IL-29 PicoKine ELISA Kit

CATALOG #
AAA11613

REACTIVITY
Human

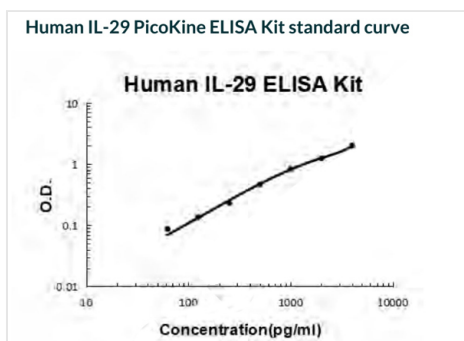
PRODUCT SYNONYMS

IL-29; Human IL-29 PicoKine ELISA Kit; Interferon lambda-1; interferon; lambda 1; Cytokine ZCYTO21; IFN lambda 1; IFN-lambda-1; IFNL1; IL 29; IL29; IL29_HUMAN; Interferon lambda 1; Interferon; Interleukin 29; Interleukin-29; IFNL1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human IFNL1
Sequence Length	200
Samples	Cell culture supernatants, cell lysates, serum and plasma (heparin, EDTA)
Detection Range	62.5 pg/ml - 4,000 pg/ml
Sensitivity	<10 pg/ml
Intra-assay Precision	Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IFNL1 elisa kit	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 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. Principle of the Assay: The Picokine™ Human IFNL1 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Human IFNL1 with a 96-well strip plate that is pre-coated with antibody specific for IFNL1. The detection antibody is a biotinylated antibody specific for IFNL1. The capture antibody is monoclonal antibody from mouse and the detection antibody is polyclonal antibody from goat. The kit contains recombinant Human IFNL1 with immunogen: Expression system for standard: NS0; Immunogen sequence: G20-T200. The kit is analytically validated with ready-to-use reagents. To measure Human IFNL1, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Human IFNL1 in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human IFNL1 in the sample.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	55976527
NCBI GeneID	282618
UniProt Accession #	Q8IU54; Q17R34; A0AV25
Molecular Weight	21,898 Da
NCBI Official Full Name	Interferon lambda-1
NCBI Official Synonym Full Names	interferon, lambda 1
NCBI Official Symbol	IFNL1
NCBI Official Synonym Symbols	IL29; IL-29
NCBI Protein Information	interferon lambda-1; IFN-lambda-1; interleukin-29; cytokine Zcyto21; interferon-lambda-1; interleukin 29 (interferon, lambda 1)
UniProt Protein Name	Interferon lambda-1
UniProt Gene Name	IFNL1
UniProt Synonym Gene Names	IL29; ZCYTO21; IFN-lambda-1; IL-29
UniProt Entry Name	IFNL1_HUMAN

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/ifnl1-human-elisa-kits/il-29/11613>