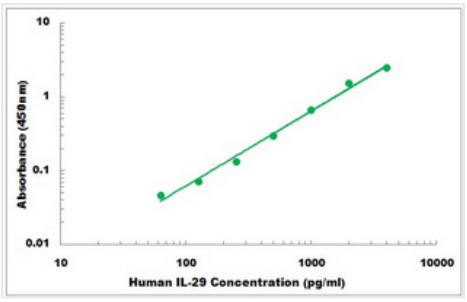
Il-29 (IFNL1) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	IL-29 (IFNL1), ELISA Kit
Full Product Name	Human IL-29 ELISA Kit
Product Gene Name	IFNL1 elisa kit
Product Synonym Names	IL29; ZCYTO21; Interferon lambda-1; IFN-lambda-1; Cytokine Zcyto21; Interleukin-29; IL-29
Species Reactivity	Human
Assay Type	Sandwich
Samples	Cell Culture Supernatants, Serum, Plasma
Detection Range	62.5 pg/ml - 4000 pg/ml
Sensitivity	10 pg/ml
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.
Molecular Weight	21,898 Da
OMIM	607403
3D Structure	ModBase 3D Structure for Q8IU54
Detection Method	Colorimetric
Applications Tested/Suitable for IFNL1 elisa kit	Sandwich ELISA (SE)
Related Product Information for IFNL1 elisa kit	Sandwich ELISA for quantitative detection of Human IL-29 concentrations.
Other Notes	Small volumes of IFNL1 elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for IFNL1 purchase	MBS824865 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the IL-29 (IFNL1) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing IFNL1. The ELISA analytical biochemical technique of the MBS824865 kit is based on IFNL1 antibody-IFNL1 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect IFNL1 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, IFNL1. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).



Typical Testing Data/Standard Curve (for reference only) of IFNL1 elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IFNL1. It may not necessarily be applicable to this product.

NCBI GI #	26024325
NCBI GeneID	282618
NCBI Accession #	NP_742152.1
UniProt Primary Accession #	Q8IU54
UniProt Secondary Accession #	Q17R34; A0AV25
UniProt Related Accession #	Q8IU54
GenBank Nucleotide #	NM_172140.1
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
UniProt Protein Name	Interferon lambda-1
UniProt Synonym Protein Names	Cytokine Zcyto21; Interleukin-29; IL-29
Protein Family	Interferon
UniProt Gene Name	IFNL1
UniProt Synonym Gene Names	IL29; ZCYTO21; IFN-lambda-1; IL-29
UniProt Entry Name	IFNL1_HUMAN
NCBI Protein Information	interferon lambda-1; IFN-lambda-1; interleukin-29; cytokine Zcyto21; interferon-lambda-1; interleukin 29 (interferon, lambda 1)
NCBI Summary for IFNL1	This gene encodes a cytokine distantly related to type I interferons and the IL-10 family. This gene, interleukin 28A (IL28A), and interleukin 28B (IL28B) are three closely related cytokine genes that form a cytokine gene cluster on a chromosomal region mapped to 19q13. Expression of the cytokines encoded by the three genes can be induced by viral infection. All three cytokines have been shown to interact with a heterodimeric class II cytokine receptor that consists of interleukin 10 receptor, beta (IL10RB) and interleukin 28 receptor, alpha (IL28RA). [provided by RefSeq, Jul 2008]
UniProt Comments for IFNL1	IL29: Cytokine with immunomodulatory activity. May play a role in antiviral immunity. Up-regulates MHC class I antigen expression. 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. Belongs to the IL-28/IL-29 family. Protein type: Secreted, signal peptide; Cell cycle regulation; Cytokine; Secreted Chromosomal Location of Human Ortholog: 19q13.13 Cellular Component: extracellular space; extracellular region; interleukin-28 receptor complex Molecular Function: cytokine activity; interleukin-28 receptor binding; receptor binding Biological Process: positive regulation of immune response; positive regulation of transcription, DNA-dependent; positive regulation of JAK-STAT cascade; JAK-STAT cascade; negative regulation of T cell differentiation; negative regulation of cell proliferation; positive regulation of interferon-gamma production; negative regulation of interleukin-13 production; positive regulation of tyrosine phosphorylation of STAT protein; negative regulation of T-helper 2 type immune response; negative regulation of interleukin-5 production; positive regulation of MHC class I biosynthetic process; negative regulation of memory T cell differentiation; negative regulation of transcription, DNA-dependent; defense response to virus
Research Articles on IFNL1	**1.** our data suggest that human but not mouse hepatocytes are responsive to IFN-lambda in vivo.

Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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