ARG81262
Human IL28A / IFN lambda 2 ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG81262 Human IL28A / IFN lambda 2 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human IL28A / IFN lambda 2 in serum, plasma or cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	IFN lambda 2
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	30 pg/ml
Sample Type	Serum, plasma or cell culture supernatants.
Standard Range	62.5 - 4000 pg/ml
Sample Volume	100 µl
Alternate Names	Interleukin-28A; IFN-lambda-2; Interferon lambda-2; IL28A; IL-28A; Cytokine Zcyto20

Application Instructions

Assay Time	~ 3.5 hours

Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

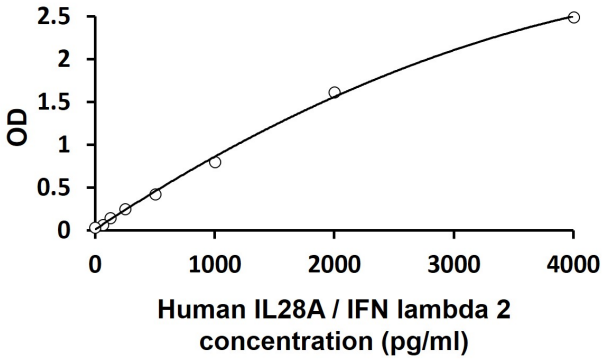
Gene Symbol	IFNL2
Gene Full Name	interferon, lambda 2
Background	This gene encodes a cytokine distantly related to type I interferons and the IL-10 family. This gene, interleukin 28B (IL28B), and interleukin 29 (IL29) are three closely related cytokine genes that form a cytokine gene cluster on a chromosomal 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]
Function	Cytokine with antiviral, antitumour and immunomodulatory activities. Plays a critical role in the antiviral host defense, predominantly in the epithelial tissues. Acts as a ligand for the heterodimeric class II cytokine receptor composed of IL10RB and IFNLR1, and receptor engagement leads to the

activation of the JAK/STAT signaling pathway resulting in the expression of IFN-stimulated genes (ISG), which mediate the antiviral state. Has a restricted receptor distribution and therefore restricted targets: is primarily active in epithelial cells and this cell type-selective action is because of the epithelial cell-specific expression of its receptor IFNLR1. Seems not to be essential for early virus-activated host defense in vaginal infection, but plays an important role in Toll-like receptor (TLR)-induced antiviral defense. Plays a significant role in the antiviral immune defense in the intestinal epithelium. Exerts an immunomodulatory effect by up-regulating MHC class I antigen expression. [UniProt]

Highlight

Related products:
IFN lambda antibodies; IFN lambda ELISA Kits; IFN lambda recombinant proteins;
New ELISA data calculation tool:
Simplify the ELISA analysis by GainData

Images



ARG81262 Human IL28A / IFN lambda 2 ELISA Kit standard curve image

ARG81262 Human IL28A / IFN lambda 2 ELISA Kit results of a typical standard run with optical density reading at 450 nm.