

ARG80169 Human IL29 / IFN lambda ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG80169-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG80169-002	Standard (Lyophilized)	3 X 0.4 ng/vial	4°C
ARG80169-003	Standard diluent buffer	20 ml	4°C
ARG80169-004	Antibody conjugate concentrate	400 µl	4°C
ARG80169-005	Antibody diluent buffer	20 ml	4°C
ARG80169-006	HRP-Streptavidin concentrate	400 µl	4°C (Protect from light)
ARG80169-007	HRP-Streptavidin diluent buffer	20 ml	4°C
ARG80169-008	20X Wash buffer	50 ml	4°C
ARG80169-009	TMB substrate	12ml	4°C (Protect from light)
ARG80169-010	STOP solution	12ml	4°C
ARG80169-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG80169 Human IL29 / IFN lambda ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human IL29 / IFN lambda in Serum, Plasma, Cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	No significant cross-reactivity or interference with Human IFN-αA/D, IFN-αA, IFN-αB2, IFN-αG, IFN-αI, IFN-β1a, IL-10 RβFc Chimera
Target Name	IL29 / IFN lambda
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm
Sensitivity	4 pg/ml
Sample Type	Serum, Plasma, Cell culture supernatants
Standard Range	7.8 - 500 pg/ml

Sample Volume	100 µl
Precision	CV: less than 10%
Alternate Names	IFN-lambda-1; IL-29; Interferon lambda-1; Interleukin-29; Cytokine Zcyto21; IL29

Application Instructions

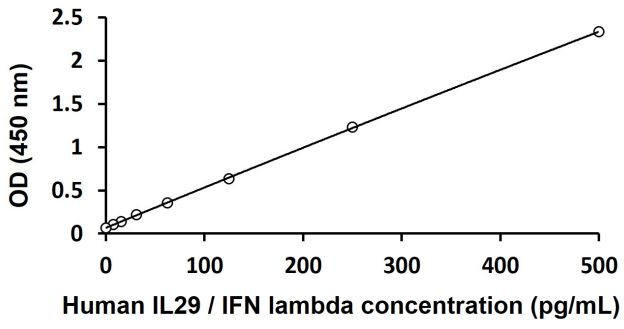
Assay Time	4 hours
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Properties

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

Database links	GeneID: 282618 Human Swiss-port # Q8IU54 Human
Gene Symbol	IFNL1
Gene Full Name	interferon, lambda 1
Background	<p>IL-29 is distantly related to type I interferons and the IL-10 family. Expression of IL-29 is induced by viral infection which interacts with a heterodimeric class II cytokine receptor that consists of interleukin 10 receptor beta (IL10RB) and interleukin 28 receptor alpha . IL-29 exhibits common features with type I IFNs such as antiviral activity, antiproliferative activity and in vivo antitumour activity. IL-29 acts similarly to IFNs, but is less effective generally and has activity in a more limited range of cell lines. IL-29 produced in response to viral infection, activates both monocytes and macrophages producing a restricted panel of cytokines and therefore is an important factor in activating innate immune responses at the site of viral infection. IFN-Lambda 1 antiviral and antiproliferative activity requires Interferon-Lambda 2 receptor tyrosine residues. Recombinant human IL-29 produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 181 amino acids and having a molecular mass of 20 kDa.</p>
Highlight	<p>Related products: IL29 antibodies; IL29 ELISA Kits; IL29 recombinant proteins;</p> <p>Related news: HMGB1, a biomarker and therapeutic target in COVID-19</p> <p>New ELISA data calculation tool: Simplify the ELISA analysis by GainData</p>
Research Area	Immune System kit



ARG80169 Human IL29 / IFN lambda ELISA Kit standard curve image

ARG80169 Human IL29 / IFN lambda ELISA Kit results of a typical standard run with optical density reading at 450 nm.
