

## ARG83180 Canine IL29 / IFN lambda ELISA Kit

Package: 96 wells  
Store at: 4°C

### Summary

Product Description	ARG83180 Canine IL29 / IFN lambda ELISA Kit is an Enzyme Immunoassay kit for the quantification of Canine IL29 / IFN lambda in Serum, Plasma, Cell culture supernatants.
Tested Reactivity	Dog
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	IL29 / IFN lambda
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	15 pg/ml
Detection Range	62.5 pg/ml - 4,000 pg/ml
Sample Type	Serum, Plasma, Cell culture supernatants
Precision	Intra-Assay CV: 4.7% Inter-Assay CV: 6.9%
Alternate Names	IFN-lambda-1; IL-29; Interferon lambda-1; Interleukin-29; Cytokine Zcyto21; IL29

### Application Instructions

Assay Time	~ 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	IFNL1
Gene Full Name	interferon, lambda 1
Background	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.

#### Highlight

Related products:

[IL29 antibodies](#); [IL29 ELISA Kits](#); [IL29 recombinant proteins](#);

Related news:

[HMGB1, a biomarker and therapeutic target in COVID-19](#)

New ELISA data calculation tool:

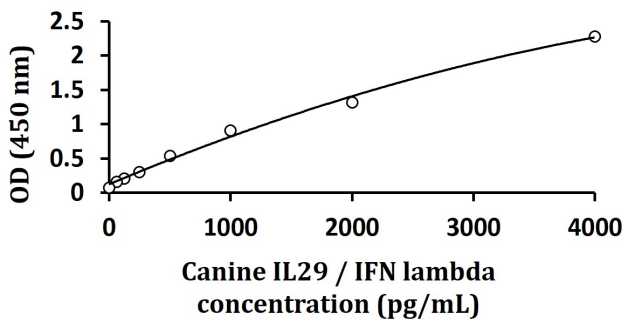
[Simplify the ELISA analysis by GainData](#)

#### Research Area

Immune System kit

## Images

---



ARG83180 Canine IL29 / IFN lambda ELISA Kit standard curve image

ARG83180 Canine IL29 / IFN lambda ELISA Kit results of a typical standard run with optical density reading at 450 nm.