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Datasheet for ABIN5510604

## IL29 ELISA Kit

### 1 Image

#### Overview

Quantity: 96 tests

Target: IL29

Binding Specificity: AA 20-200

Reactivity: Dog

Method Type: Sandwich ELISA

Application: ELISA

#### Product Details

Purpose: Sandwich High Sensitivity ELISA kit for Quantitative Detection of Dog Caninea IL-29

Brand: PicoKine™

Analytical Method: Quantitative

Detection Method: Colorimetric

Specificity: Expression system for standard: NSO  
Immunogen sequence: G20-T200

Cross-Reactivity (Details): There is no detectable cross-reactivity with other relevant proteins.

Characteristics: Sequence similarities: Belongs to the lambda interferon family.

#### Target Details

Target: IL29

Alternative Name: IFNL1 ([IL29 Products](#))

## Target Details

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**Background:** Protein 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. Exerts an immunomodulatory effect by up-regulating MHC class I antigen expression.

Background: Interferon lambda-1, also called Interleukin-29(IL-29) is a protein that in Dog Canineas 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.

Synonyms: Interferon lambda-1,IFN-lambda-1,Cytokine Zcyto21,Interleukin-29,IL-29,IFNL1,IL29,ZCYTO21,

Full Gene Name: Interferon lambda-1

Cellular Localisation: Secreted.

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UniProt: [Q8IU54](#)

## Application Details

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Plate: Pre-coated

Restrictions: For Research Use only

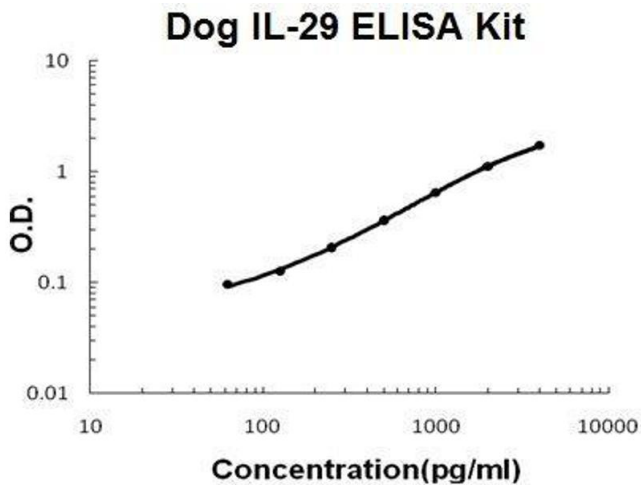
## Handling

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Storage: 4 °C,-20 °C

Storage Comment: Store at 4 °C for 6 months, at -20 °C for 12 months. Avoid multiple freeze-thaw cycles(Shipped with wet ice.)

Expiry Date: 12 months



#### ELISA

**Image 1.** Dog IL-29 PicoKine ELISA Kit standard curve