

IL-29 elisa kit

Dog Canine IL-29 PicoKine ELISA Kit

CATALOG # AAA124822	REACTIVITY Canine There is no detectable cross-reactivity with other relevant proteins.	APPLICATIONS ELISA
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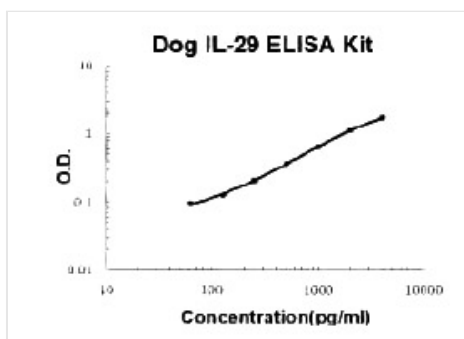
PRODUCT SYNONYMS

IL-29; Dog Canine IL-29 PicoKine ELISA Kit; Interferon lambda-1; IFN-lambda-1; Cytokine Zcyto21; Interleukin-29; IFNL1; IL29; ZCYTO21; IL-29 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine There is no detectable cross-reactivity with other relevant proteins.
Specificity	Natural and recombinant Dog Dog Canine IL-29
Sequence Length	200
Assay Type	Quantitative Sandwich
Detection Range	62.5pg/ml-4000pg/ml
Sensitivity	<10pg/ml
Applicable Applications for IL-29 elisa kit	ELISA
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL-29 elisa kit	Principle of the Assay: Dog Dog Canine IL-29 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for Dog Canine IL-29 has been precoated onto 96-well plates. Standards(Expression system for standard: NSO; Immunogen sequence: G20-T200) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for Dog Canine IL-29 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Dog Dog Canine IL-29 amount of sample captured in plate. 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.
Product Categories/Family for IL-29 elisa kit	Immunology; Innate Immunity; Cytokines; Interleukins

NCBI AND UNIPROT INFORMATION

NCBI GI #	26024325
NCBI GeneID	282618
NCBI Accession #	NP_742152.1
NCBI GenBank Nucleotide #	NM_172140.1
UniProt Accession #	Q8IU54; Q17R34; A0AV25
Molecular Weight	21898 MW
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
NCBI Protein Information	interferon lambda-1
UniProt Protein Name	Interferon lambda-1
UniProt Gene Name	IFNL1
UniProt Synonym Gene Names	IL29; ZCYTO21; IFN-lambda-1; IL-29

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/canine-elisa-kits/il-29/124822>