

Canine Interleukin 18 ELISA Kit | IL18 elisa kit

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CATALOG #
AAA89223

REACTIVITY
Canine

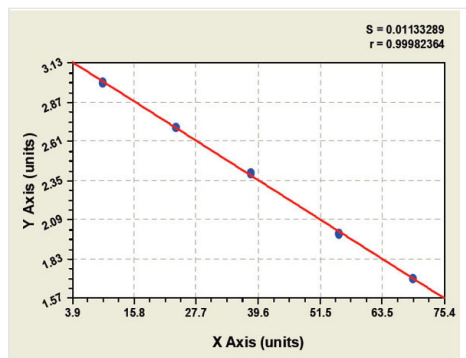
PRODUCT SYNONYMS

Interleukin 18; Canine Interleukin 18 ELISA Kit; IL18 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This IL-18 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine IL-18. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL18 elisa kit

Principle of the Assay: IL-18 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-IL-18 antibody and an IL-18-HRP conjugate. The assay sample and buffer are incubated together with IL-18-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the IL-18 concentration since IL-18 from samples and IL-18-HRP conjugate compete for the anti-IL-18 antibody binding site. Since the number of sites is limited, as more sites are occupied by IL-18 from the sample, fewer sites are left to bind IL-18-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IL-18 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	9506805
NCBI GeneID	29197
NCBI Accession #	NP_062038.1
NCBI GenBank Nucleotide #	NM_019165.1
Molecular Weight	20,056 Da
NCBI Official Full Name	interleukin-18
NCBI Official Synonym Full Names	interleukin 18
NCBI Official Symbol	IL18
NCBI Official Synonym Symbols	IL-18
NCBI Protein Information	interleukin-18; IL-1 gamma; interleukin-1 gamma; IFN-gamma-inducing factor; interferon gamma-inducing factor; interferon-gamma-inducing factor
UniProt Protein Name	Interleukin-18
UniProt Gene Name	IL18
UniProt Synonym Gene Names	Ig1f; IL-18; IFN-gamma-inducing factor; IL-1 gamma
UniProt Entry Name	IL18_RAT

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.