

Canine Interleukin 34 ELISA Kit | IL-34 elisa kit

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CATALOG #
AAA90358

REACTIVITY
Canine

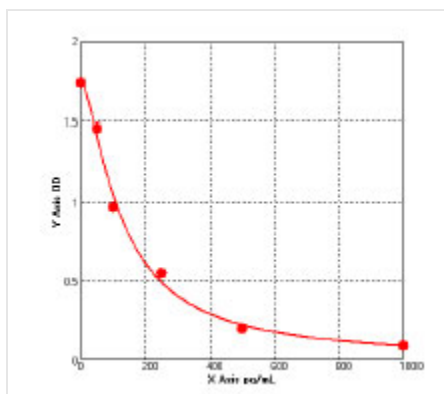
PRODUCT SYNONYMS

Interleukin 34; Canine Interleukin 34 ELISA Kit; IL-34 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL-34 elisa kit

Intended Uses: This IL34 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine IL34. This ELISA kit for research use only!

Principle of the Assay: IL34 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-IL34 antibody and an IL34-HRP conjugate. The assay sample and buffer are incubated together with IL34-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 IL34 concentration since IL34 from samples and IL34-HRP conjugate compete for the anti-IL34 antibody binding site. Since the number of sites is limited, as more sites are occupied by IL34 from the sample, fewer sites are left to bind IL34-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IL34 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	289666752
NCBI GeneID	146433
NCBI Accession #	NP_001166243.1
NCBI GenBank Nucleotide #	NM_001172772.1
Molecular Weight	27,354 Da
NCBI Official Full Name	interleukin-34 isoform 1
NCBI Official Synonym Full Names	interleukin 34
NCBI Official Symbol	IL34
NCBI Official Synonym Symbols	IL-34; C16orf77
NCBI Protein Information	interleukin-34
UniProt Protein Name	Interleukin-34
UniProt Gene Name	IL34
UniProt Synonym Gene Names	C16orf77; IL-34
UniProt Entry Name	IL34_HUMAN

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.