

Canine Interleukin 31 ELISA Kit | IL-31 elisa kit

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CATALOG #
AAA16945

REACTIVITY
Canine

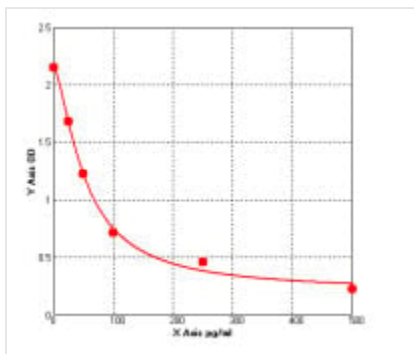
PRODUCT SYNONYMS

Interleukin 31; Canine Interleukin 31 ELISA Kit; IL-31 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of IL-31. No significant cross-reactivity or interference between IL-31 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between IL-31 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
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-31 elisa kit	Principle of the Assay: IL-31 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-IL-31 antibody and an IL-31-HRP conjugate. The assay sample and buffer are incubated together with IL-31-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-31 concentration since IL-31 from samples and IL-31-HRP conjugate compete for the anti-IL-31 antibody binding site. Since the number of sites is limited, as more sites are occupied by IL-31 from the sample, fewer sites are left to bind IL-31-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IL-31 concentration in each sample is interpolated from this standard curve. Intended Uses: This IL-31 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine IL-31. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for IL-31 elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	62122911
NCBI GeneID	386653
NCBI Accession #	NP_001014358.1
NCBI GenBank Nucleotide #	NM_001014336.1
Molecular Weight	18,205 Da
NCBI Official Full Name	interleukin-31
NCBI Official Synonym Full Names	interleukin 31
NCBI Official Symbol	IL31
NCBI Official Synonym Symbols	IL-31
NCBI Protein Information	interleukin-31
UniProt Protein Name	Interleukin-31
UniProt Gene Name	IL31
UniProt Synonym Gene Names	IL-31
UniProt Entry Name	IL31_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.

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Online datasheet: <https://stage.aaabiotech.com/il-31-canine-elisa-kits/interleukin-31/16945>