

Canine Interleukin 5 ELISA Kit | IL-5 elisa kit

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CATALOG #
AAA90069

REACTIVITY
Canine

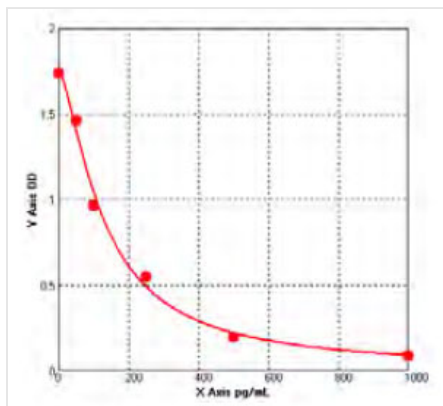
PRODUCT SYNONYMS

Interleukin 5; Canine Interleukin 5 ELISA Kit; IL-5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of IL-5. No significant cross-reactivity or interference between IL-5 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between IL-5 and all the analogues, therefore, cross reaction may still exist in some cases.
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-5 elisa kit	Intended Uses: This IL-5 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine IL-5. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: IL-5 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-IL-5 antibody and an IL-5-HRP conjugate. The assay sample and buffer are incubated together with IL-5-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-5 concentration since IL-5 from samples and IL-5-HRP conjugate compete for the anti-IL-5 antibody binding site. Since the number of sites is limited, as more sites are occupied by IL-5 from the sample, fewer sites are left to bind IL-5-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IL-5 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for IL-5 elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	54019426
NCBI GeneID	24497
NCBI Accession #	NP_068606.1
NCBI GenBank Nucleotide #	NM_021834.1
Molecular Weight	15,207 Da
NCBI Official Full Name	interleukin-5
NCBI Official Synonym Full Names	interleukin 5
NCBI Official Symbol	IL5
NCBI Protein Information	interleukin-5; TRF; IL-5; BCGF-II; B-cell growth factor II; T-cell replacing factor; cytotoxic T-lymphocyte inducer; eosinophil differentiation factor; Interleukin 5 (colony-stimulating factor eosinophil); Interleukin 5 (colony-stimulating factor, eosinophil)
UniProt Protein Name	Interleukin-5
UniProt Gene Name	IL5
UniProt Synonym Gene Names	IL-5; IL-5; BCGF-II; TRF
UniProt Entry Name	IL5_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.

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Online datasheet: <https://www.aaabiotech.com/il-5-canine-elisa-kits/interleukin-5/90069>