

Canine IL-5 (Interleukin-5) ELISA Kit | IL-5 elisa kit

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CATALOG #
AAA250237

REACTIVITY
Canine

PRODUCT SYNONYMS

IL-5 (Interleukin-5); Canine IL-5 (Interleukin-5) ELISA Kit; Interleukin-5; IL-5; Eosinophil differentiation factor; T-cell replacing factor; TRF; IL5; 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.
Assay Type	Sandwich
Samples	Serum, plasma, tissue homogenates and other biological fluids
Detection Range	15.625-1000pg/ml
Sensitivity	9.375pg/ml
Intra-assay Precision	CV<8%
Inter-assay Precision	CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

ADDITIONAL INFORMATION

Related Product Information for IL-5 elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Capture antibody was pre-coated onto 96- well plates. And the biotin conjugated antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP -Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were 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 target amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of target can be calculated.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	55741698
NCBI GeneID	403790
NCBI Accession #	NP_001006951.1
NCBI GenBank Nucleotide #	NM_001006950.1
UniProt Accession #	Q95J76
Molecular Weight	15,307 Da
NCBI Official Full Name	interleukin-5
NCBI Official Symbol	IL5

NCBI Protein Information	interleukin-5
UniProt Protein Name	Interleukin-5
UniProt Gene Name	IL5
UniProt Synonym Gene Names	IL-5; TRF

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/canine-elisa-kits/il-5-interleukin-5/250237>