

Canine Interleukin 7 ELISA Kit | IL-7 elisa kit

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CATALOG #
AAA92851

REACTIVITY
Canine

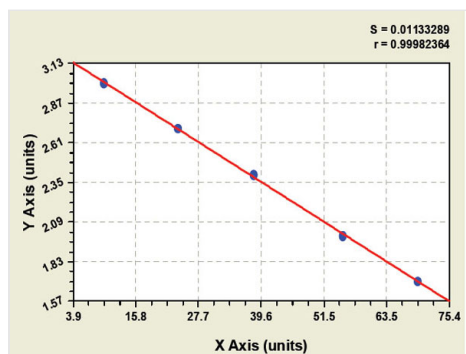
PRODUCT SYNONYMS

Interleukin 7; Canine Interleukin 7 ELISA Kit; IL-7 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
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL-7 elisa kit

Intended Uses: This IL-7 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine IL-7. This ELISA kit for research use only!

Principle of the Assay: IL-7 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-IL-7 antibody and an IL-7-HRP conjugate. The assay sample and buffer are incubated together with IL-7-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-7 concentration since IL-7 from samples and IL-7-HRP conjugate compete for the anti-IL-7 antibody binding site. Since the number of sites is limited, as more sites are occupied by IL-7 from the sample, fewer sites are left to bind IL-7-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IL-7 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	315467871
NCBI GeneID	3574
NCBI Accession #	NP_001186817.1
NCBI GenBank Nucleotide #	NM_001199888.1
Molecular Weight	7,687 Da
NCBI Official Full Name	interleukin-7 isoform 4
NCBI Official Synonym Full Names	interleukin 7
NCBI Official Symbol	IL7
NCBI Official Synonym Symbols	IL-7
NCBI Protein Information	interleukin-7
UniProt Protein Name	Interleukin-7
UniProt Gene Name	IL7
UniProt Synonym Gene Names	IL-7
UniProt Entry Name	IL7_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.