

Canine Interleukin 2 (IL2) ELISA Kit | IL2 elisa kit

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CATALOG #
AAA65912

REACTIVITY
Canine

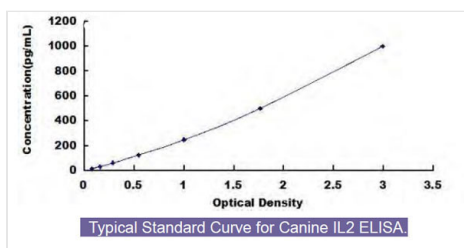
PRODUCT SYNONYMS

Interleukin 2 (IL2); Canine Interleukin 2 (IL2) ELISA Kit; TCGF; Lymphokine; T-Cell Growth Factor; Aldesleukin; IL2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of IL2. No significant cross-reactivity or interference between IL2 and analogues was observed.
Sequence Length	155
Assay Type	Quantitative Sandwich
Samples	Canine serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids
Detection Range	15.6-1000pg/mL
Sensitivity	< 6.2pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level IL2 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level IL2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL2 elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to IL2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to IL2. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain IL2, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of IL2 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of IL2 in canine serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	50979126
NCBI GeneID	403989
NCBI Accession #	NP_001003305.1
NCBI GenBank Nucleotide #	NM_001003305.1
UniProt Accession #	Q29416; Q28249
Molecular Weight	17,668 Da
NCBI Official Full Name	interleukin-2
NCBI Official Symbol	IL2
NCBI Protein Information	interleukin-2
UniProt Protein Name	Interleukin-2
UniProt Gene Name	IL2
UniProt Synonym Gene Names	IL-2; TCGF

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.