

Canine Interleukin-4 receptor subunit alpha (IL4R) ELISA Kit | IL4R elisa kit

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CATALOG #
AAA244839

REACTIVITY
Canine

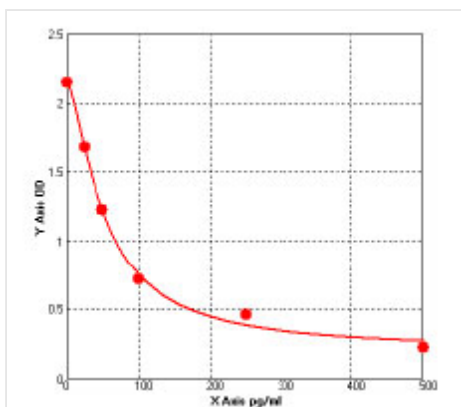
PRODUCT SYNONYMS

Interleukin-4 receptor subunit alpha (IL4R); Canine Interleukin-4 receptor subunit alpha (IL4R) ELISA Kit; IL4R elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
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 IL4R elisa kit

Intended Uses: This IL-4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep IL-4. This ELISA kit for research use only!

Principle of the Assay: IL-4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-IL-4 antibody and an IL-4-HRP conjugate. The assay sample and buffer are incubated together with IL-4-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-4 concentration since IL-4 from samples and IL-4-HRP conjugate compete for the anti-IL-4 antibody binding site. Since the number of sites is limited, as more sites are occupied by IL-4 from the sample, fewer sites are left to bind IL-4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IL-4 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for IL4R elisa kit	Immunology
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4557669
NCBI GeneID	3566
NCBI Accession #	NP_000409.1
NCBI GenBank Nucleotide #	NM_000418.3
Molecular Weight	88,267 Da
NCBI Official Full Name	interleukin-4 receptor subunit alpha isoform a
NCBI Official Synonym Full Names	interleukin 4 receptor
NCBI Official Symbol	IL4R
NCBI Official Synonym Symbols	CD124; IL4RA; IL-4RA
NCBI Protein Information	interleukin-4 receptor subunit alpha; IL4R nirs variant 1; IL-4 receptor subunit alpha; interleukin-4 receptor alpha chain
UniProt Protein Name	Interleukin-4 receptor subunit alpha
UniProt Gene Name	IL4R
UniProt Synonym Gene Names	IL4RA; 582J2.1; IL-4 receptor subunit alpha; IL-4R subunit alpha; IL-4R-alpha; IL-4RA; Soluble IL-4 receptor subunit alpha; Soluble IL-4R-alpha; sIL4Ralpha/prot; IL4-BP
UniProt Entry Name	IL4RA_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/canine-elisa-kits/interleukin-4-receptor-subunit-alpha-il4r/244839>