

Canine Interleukin 3 ELISA Kit | IL-3 elisa kit

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CATALOG #
AAA91865

REACTIVITY
Canine

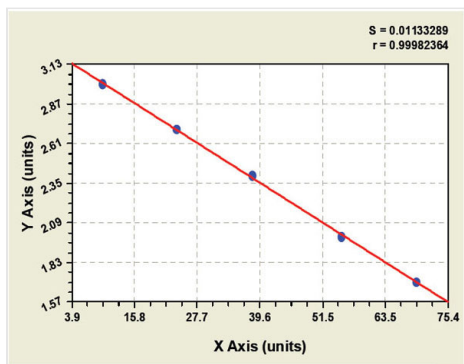
PRODUCT SYNONYMS

Interleukin 3; Canine Interleukin 3 ELISA Kit; IL-3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
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-3 elisa kit
Intended Uses: This IL-3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine IL-3. This ELISA kit for research use only!

Principle of the Assay: IL-3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-IL-3 antibody and an IL-3-HRP conjugate. The assay sample and buffer are incubated together with IL-3-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-3 concentration since IL-3 from samples and IL-3-HRP conjugate compete for the anti-IL-3 antibody binding site. Since the number of sites is limited, as more sites are occupied by IL-3 from the sample, fewer sites are left to bind IL-3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IL-3 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	3002475
NCBI GeneID	3562
Molecular Weight	17,233 Da
NCBI Official Full Name	IL-3
NCBI Official Synonym Full Names	interleukin 3
NCBI Official Symbol	IL3
NCBI Official Synonym Symbols	IL-3; MCGF; MULTI-CSF
NCBI Protein Information	interleukin-3; mast cell growth factor; mast-cell growth factor; P-cell stimulating factor; P-cell-stimulating factor; hematopoietic growth factor; colony-stimulating factor, multiple; multilineage-colony-stimulating factor; multipotential colony-stimulating factor
UniProt Protein Name	Interleukin-3
UniProt Gene Name	IL3
UniProt Synonym Gene Names	IL-3; MCGF
UniProt Entry Name	IL3_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.