

Canine Interleukin 9 ELISA Kit | IL-9 elisa kit

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CATALOG #
AAA88571

REACTIVITY
Canine

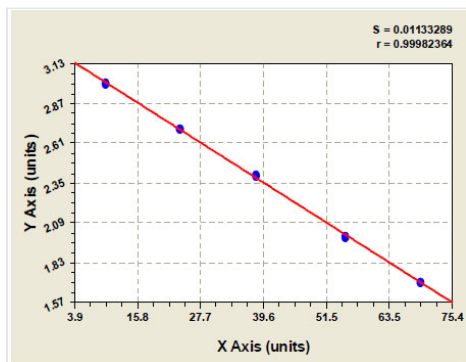
PRODUCT SYNONYMS

Interleukin 9; Canine Interleukin 9 ELISA Kit; IL-9 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	2.5-50ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This IL-9 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine IL-9. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL-9 elisa kit

Principle of the Assay: IL-9 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-IL-9 antibody and an IL-9-HRP conjugate. The assay sample and buffer are incubated together with IL-9-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-9 concentration since IL-9 from samples and IL-9-HRP conjugate compete for the anti-IL-9 antibody binding site. Since the number of sites is limited, as more sites are occupied by IL-9 from the sample, fewer sites are left to bind IL-9-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IL-9 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	10834980
NCBI GeneID	3578
NCBI Accession #	NP_000581.1
NCBI GenBank Nucleotide #	NM_000590.1
Molecular Weight	15,909 Da
NCBI Official Full Name	interleukin-9
NCBI Official Synonym Full Names	interleukin 9
NCBI Official Symbol	IL9
NCBI Official Synonym Symbols	P40; HP40; IL-9
NCBI Protein Information	interleukin-9; cytokine P40; p40 cytokine; T-cell growth factor p40; p40 T-cell and mast cell growth factor; homolog of mouse T cell and mast cell growth factor 40
UniProt Protein Name	Interleukin-9
UniProt Gene Name	IL9
UniProt Synonym Gene Names	IL-9
UniProt Entry Name	IL9_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.