

Canine Hydroxyproline ELISA Kit | HYP elisa kit

Canine Hydroxyproline ELISA Kit

CATALOG #
AAA91539

REACTIVITY
Canine

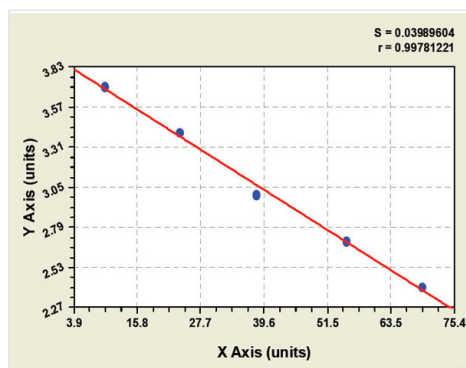
PRODUCT SYNONYMS

Hydroxyproline; Canine Hydroxyproline ELISA Kit; HYP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	250-5000 nmol/L
Sensitivity	1.0 nmol/L
Intended Uses	This HYP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine HYP. 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 HYP elisa kit

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

Product Categories/Family for HYP
elisa kit

Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	335035289
NCBI Accession #	ZP_08528630.1
NCBI GenBank Nucleotide #	NZ_AECL01000035.1

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/hyp-canine-elisa-kits/hydroxyproline/91539>