

Bovine Hydroxyproline ELISA Kit | HYP elisa kit

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CATALOG #
AAA92787

REACTIVITY
Bovine

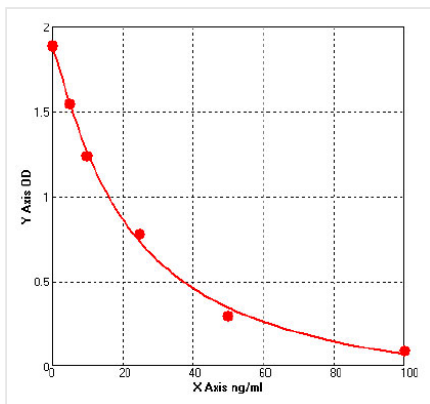
PRODUCT SYNONYMS

Hydroxyproline; Bovine Hydroxyproline ELISA Kit; HYP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay has high sensitivity and excellent specificity for detection of HYP. No significant cross-reactivity or interference between HYP and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between HYP and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 nmol/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HYP elisa kit	Intended Uses: This HYP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of BovineHYP. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: HYP ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal 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-bovine-ovine-elisa-kits/hydroxyproline/92787>