

Porcine Procollagen Type II ELISA Kit | PC2 elisa kit

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CATALOG #
AAA245101

REACTIVITY
Porcine

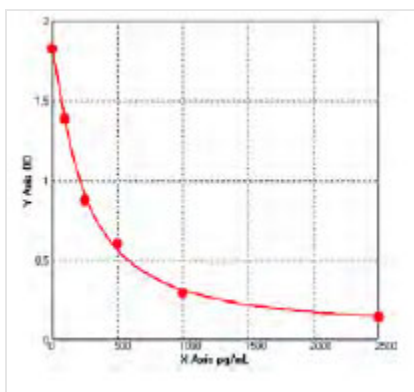
PRODUCT SYNONYMS

Procollagen Type II; Porcine Procollagen Type II ELISA Kit; PC2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Specificity	This assay has high sensitivity and excellent specificity for detection of PCOL2. No significant cross-reactivity or interference between PCOL2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PCOL2 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	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 PC2 elisa kit	Intended Uses: This PCOL2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine PCOL2. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: PCOL2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-PCOL2 antibody and an PCOL2-HRP conjugate. The assay sample and buffer are incubated together with PCOL2-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 PCOL2 concentration since PCOL2 from samples and PCOL2-HRP conjugate compete for the anti-PCOL2 antibody binding site. Since the number of sites is limited, as more sites are occupied by PCOL2 from the sample, fewer sites are left to bind PCOL2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PCOL2 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for PC2 elisa kit	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	149032179
NCBI GeneID	25412
Molecular Weight	134,570 Da
NCBI Official Full Name	procollagen, type II, alpha 1, isoform CRA_c
NCBI Official Synonym Full Names	collagen, type II, alpha 1
NCBI Official Symbol	Col2a1
NCBI Official Synonym Symbols	CG2A1A; COLLII
NCBI Protein Information	collagen alpha-1(II) chain; collagen alpha-1(II) chain; Procollagen II alpha 1; alpha-1 type II collagen; procollagen, type II, alpha 1; collagen type II (Col2A1) gene, enhancer region
UniProt Protein Name	Collagen alpha-1(II) chain
UniProt Gene Name	Col2a1
UniProt Entry Name	CO2A1_RAT

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.