

Chicken Collagen Alpha 2 (IV) Chain (COL4A2) ELISA Kit | COL4A2 elisa kit

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CATALOG #
AAA247541

REACTIVITY
Chicken

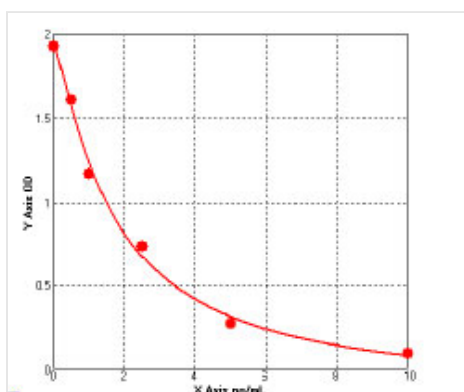
PRODUCT SYNONYMS

Collagen Alpha 2 (IV) Chain (COL4A2); Chicken Collagen Alpha 2 (IV) Chain (COL4A2) ELISA Kit; COL4A2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Specificity	This assay has high sensitivity and excellent specificity for detection of COL4A2. No significant cross-reactivity or interference between COL4A2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between COL4A2 and all the analogues, therefore, cross reaction may still exist in some cases.
Sequence Length	1712
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Reactivity Note	No significant cross-reactivity or interference between this antigen and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection, therefore, cross reaction may still exist in some cases.
Preparation and Storage	Store at 2-8 degree C. The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for COL4A2 elisa kit	Intended Uses: This COL4A2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken COL4A2. This ELISA kit for research use only! Principle of the Assay: COL4A2 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-COL4A2 antibody and an COL4A2-HRP conjugate. The assay sample and buffer are incubated together with COL4A2-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 COL4A2 concentration since COL4A2 from samples and COL4A2-HRP conjugate compete for the anti-COL4A2 antibody binding site. Since the number of sites is limited, as more sites are occupied by COL4A2 from the sample, fewer sites are left to bind COL4A2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The COL4A2 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for COL4A2 elisa kit	Signal Transduction; Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	116256354
NCBI GeneID	1284
NCBI Accession #	NP_001837.2
NCBI GenBank Nucleotide #	NM_001846.3
UniProt Accession #	P08572; Q14052; Q548C3; Q5VZA9; Q66K23
Molecular Weight	167,553 Da
NCBI Official Full Name	collagen alpha-2(IV) chain preproprotein
NCBI Official Synonym Full Names	collagen type IV alpha 2 chain
NCBI Official Symbol	COL4A2
NCBI Official Synonym Symbols	ICH; POREN2
NCBI Protein Information	collagen alpha-2(IV) chain
UniProt Protein Name	Collagen alpha-2(IV) chain
UniProt Gene Name	COL4A2

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.