

## Chicken Collagen Type II ELISA Kit | Col II elisa kit

Chicken Collagen Type II ELISA Kit

CATALOG #  
**AAA93539**

REACTIVITY  
**Chicken**

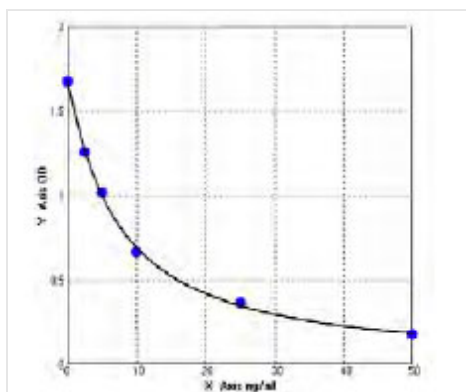
### PRODUCT SYNONYMS

Collagen Type II; Chicken Collagen Type II ELISA Kit; Col II elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Chicken                                                                    |
| 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 Col II elisa kit

**Intended Uses:** This CIDEB ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CIDEB. This ELISA kit for research use only!

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

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                              |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 119578374                                                                                                                                                                                                    |
| NCBI GeneID                      | 1280                                                                                                                                                                                                         |
| Molecular Weight                 | 29,781 Da                                                                                                                                                                                                    |
| NCBI Official Full Name          | collagen, type II, alpha 1 (primary osteoarthritis, spondyloepiphyseal dysplasia, congenital), isoform CRA_e                                                                                                 |
| NCBI Official Synonym Full Names | collagen, type II, alpha 1                                                                                                                                                                                   |
| NCBI Official Symbol             | COL2A1                                                                                                                                                                                                       |
| NCBI Official Synonym Symbols    | AOM; ANFH; SEDC; STL1; COL11A3                                                                                                                                                                               |
| NCBI Protein Information         | collagen alpha-1(II) chain; collagen alpha-1(II) chain; chondrocalcin; cartilage collagen; alpha-1 type II collagen; collagen II, alpha-1 polypeptide; arthroophthalmopathy, progressive (Stickler syndrome) |
| UniProt Protein Name             | Collagen alpha-1(II) chain                                                                                                                                                                                   |
| UniProt Gene Name                | COL2A1                                                                                                                                                                                                       |
| UniProt Entry Name               | CO2A1_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.