

## Human Collagen Type 5 ELISA Kit | COL 5 elisa kit

Human Collagen Type 5 ELISA Kit

CATALOG #  
**AAA96424**

REACTIVITY  
**Human**

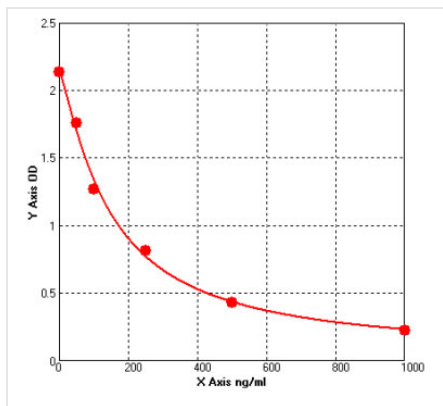
### PRODUCT SYNONYMS

Collagen Type 5; Human Collagen Type 5 ELISA Kit; COL 5 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                                                       |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of COL-5. No significant cross-reactivity or interference between COL-5 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between COL-5 and all the analogues, therefore, cross reaction may still exist in some cases. |
| Assay Type              | Quantitative Competitive                                                                                                                                                                                                                                                                                                                                                                    |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate                                                                                                                                                                                                                                                                                                                  |
| Sensitivity             | 1.0 ng/mL                                                                                                                                                                                                                                                                                                                                                                                   |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                                         |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for COL 5 elisa kit | <p>Principle of the Assay: COL-5 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-COL-5 antibody and an COL-5-HRP conjugate. The assay sample and buffer are incubated together with COL-5-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 COL-5 concentration since COL-5 from samples and COL-5-HRP conjugate compete for the anti-COL-5 antibody binding site. Since the number of sites is limited, as more sites are occupied by COL-5 from the sample, fewer sites are left to bind COL-5-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The COL-5 concentration in each sample is interpolated from this standard curve.</p> <p>Intended Uses: This COL-5 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human COL-5. This ELISA kit for research use only, not for therapeutic or test applications!</p> |
| Product Categories/Family for COL 5 elisa kit   | Cell Biology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

NCBI AND UNIPROT INFORMATION

|                                  |                                                      |
|----------------------------------|------------------------------------------------------|
| NCBI GI #                        | 119608538                                            |
| NCBI GeneID                      | 1289                                                 |
| Molecular Weight                 | 183,560 Da                                           |
| NCBI Official Full Name          | collagen, type V, alpha 1, isoform CRA_c             |
| NCBI Official Synonym Full Names | collagen, type V, alpha 1                            |
| NCBI Official Symbol             | COL5A1                                               |
| NCBI Protein Information         | collagen alpha-1(V) chain; collagen alpha-1(V) chain |
| UniProt Protein Name             | Collagen alpha-1(V) chain                            |
| UniProt Gene Name                | COL5A1                                               |
| UniProt Entry Name               | CO5A1_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.

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Online datasheet: <https://stage.aaabiotech.com/col-5-human-elisa-kits/collagen-type-5/96424>