

## Human Collagen alpha-1 (7) chain, COL7A1 ELISA Kit | COL7A1 elisa kit

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CATALOG #  
**AAA123490**

REACTIVITY  
**Human**

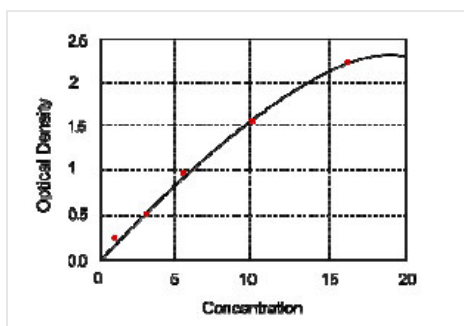
### PRODUCT SYNONYMS

Collagen alpha-1 (7) chain; COL7A1; Human Collagen alpha-1 (7) chain; COL7A1 ELISA Kit; COL7A1 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                  |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                            |
| Sequence Length         | 2944                                                                                                                                                                                             |
| Samples                 | Serum, plasma, cell culture supernates, ascites, tissue homogenates or other biological fluids                                                                                                   |
| Assay Type              | Quantitative Sandwich                                                                                                                                                                            |
| Detection Range         | 0.1-40ng/ml                                                                                                                                                                                      |
| Sensitivity             | 0.044ng/ml                                                                                                                                                                                       |
| Intra-assay Precision   | Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision. Intra-Assay: CV<8%                              |
| Inter-assay Precision   | Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision. CV(%) = SD/mean x 100. Inter-Assay: CV<10% |
| Preparation and Storage | Store at 2 to 8 degree C for 6 months.                                                                                                                                                           |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for COL7A1 elisa kit | <p>Intended Uses: This sandwich kit is for the accurate quantitative detection of Human Collagen alpha-1(7) chain (also known as COL7A1) in serum, plasma, cell culture supernates, Ascites, tissue homogenates or other biological fluids.</p> <p>Principle of the Assay: This kit is an Enzyme-Linked Immunosorbent Assay (ELISA). The plate has been pre-coated with Human COL7A1 antibody. COL7A1 present in the sample is added and binds to antibodies coated on the wells. And then biotinylated Human COL7A1 Antibody is added and binds to COL7A1 in the sample. Then Streptavidin-HRP is added and binds to the Biotinylated COL7A1 antibody. After incubation unbound Streptavidin-HRP is washed away during a washing step. Substrate solution is then added and color develops in proportion to the amount of Human COL7A1. The reaction is terminated by addition of acidic stop solution and absorbance is measured at 450 nm.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                 |
|----------------------------------|---------------------------------|
| NCBI GI #                        | 4502961                         |
| NCBI GeneID                      | 1294                            |
| NCBI GenBank Nucleotide #        | NP_000085.1                     |
| UniProt Accession #              | Q02388                          |
| NCBI Official Full Name          | collagen alpha-1(VII) chain     |
| NCBI Official Synonym Full Names | collagen type VII alpha 1 chain |
| NCBI Official Symbol             | COL7A1                          |
| NCBI Official Synonym Symbols    | EBD1; EBR1; EBDCT; NDNC8        |
| NCBI Protein Information         | collagen alpha-1(VII) chain     |
| UniProt Protein Name             | Collagen alpha-1(VII) chain     |
| UniProt Gene Name                | COL7A1                          |
| UniProt Synonym Gene Names       | LC collagen                     |
| UniProt Entry Name               | CO7A1_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.