

Human Collagen Type VIII Alpha 1 ELISA Kit | COL8alpha1 elisa kit

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CATALOG #
AAA100382

REACTIVITY
Human

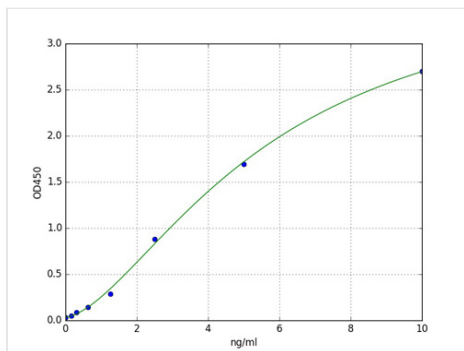
PRODUCT SYNONYMS

Collagen Type VIII Alpha 1; Human Collagen Type VIII Alpha 1 ELISA Kit; COL8alpha1 (Collagen Type VIII Alpha 1); COL8alpha1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	744
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Human COL8 α 1 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.156	0.313	0.625	1.25	2.5	5	10
Y	OD450	0.041	0.195	0.226	0.318	0.533	0.954	1.472	2.127

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for COL8alpha1 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human COL8alpha1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human COL8alpha1 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human COL8alpha1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human COL8alpha1 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	15488904
NCBI GeneID	1295
Molecular Weight	73,364 Da
NCBI Official Full Name	Collagen, type VIII, alpha 1
NCBI Official Synonym Full Names	collagen type VIII alpha 1
NCBI Official Symbol	COL8A1
NCBI Official Synonym Symbols	C3orf7
NCBI Protein Information	collagen alpha-1(VIII) chain
UniProt Protein Name	Collagen alpha-1(VIII) chain
UniProt Gene Name	COL8A1
UniProt Synonym Gene Names	C3orf7
UniProt Entry Name	CO8A1_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/col8alpha1-human-elisa-kits/collagen-type-viii-alpha-1/100382>