

Rat Collagen Type I Alpha 2 ELISA Kit | COL1alpha2 elisa kit

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CATALOG #
AAA101878

REACTIVITY
Rat

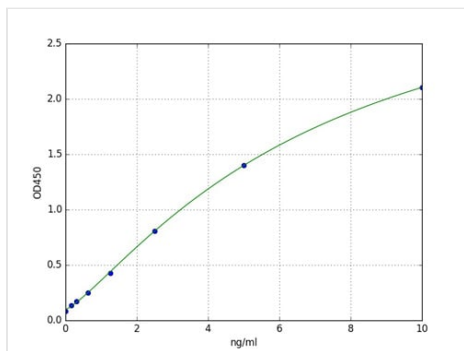
PRODUCT SYNONYMS

Collagen Type I Alpha 2; Rat Collagen Type I Alpha 2 ELISA Kit; COL1alpha2 ; COL1alpha2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	23
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 Rat COL1 α 2 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	0.086	0.187	0.277	0.382	0.666	1.090	1.618	1.786

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for COL1alpha2 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Rat COL1alpha2 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat COL1alpha2 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 Rat COL1alpha2 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat COL1alpha2 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #

124265168

NCBI GeneID	1278
Molecular Weight	129,314 Da
NCBI Official Full Name	collagen type I alpha 2, partial
NCBI Official Synonym Full Names	collagen type I alpha 2
NCBI Official Symbol	COL1A2
NCBI Official Synonym Symbols	OI4
NCBI Protein Information	collagen alpha-2(I) chain
UniProt Protein Name	Collagen alpha-2(I) chain
UniProt Gene Name	COL1A2
UniProt Entry Name	CO1A2_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/col1alpha2-rat-elisa-kits/collagen-type-i-alpha-2/101878>