

Mouse Collagen Type III ELISA Kit | COL3 elisa kit

Mouse Collagen Type III ELISA Kit

CATALOG #
AAA100983

REACTIVITY
Mouse

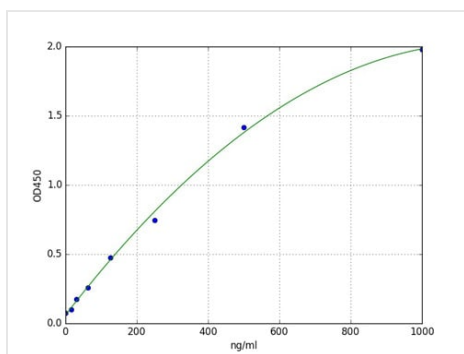
PRODUCT SYNONYMS

Collagen Type III; Mouse Collagen Type III ELISA Kit; COL3/COL3alpha1/COL3A1/EDS4A/COL3A1/EDS4A/alpha1 (III) collagen/Collagen 3/collagen alpha-1 (III) chain/collagen; fetal/collagen; type III; alpha 1/Collagen-3/EDS4A/Ehlers-Danlos syndrome type IV; autosomal dominant; COL3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Sequence Length	1466
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.625-40ng/ml
Sensitivity	0.375ng/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 Mouse COL3 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	15.6	31.2	62.5	125	250	500	1000
Y	OD450	0.059	0.111	0.135	0.216	0.418	0.663	1.802	2.627

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for COL3 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Mouse COL3 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Mouse COL3 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 Mouse COL3 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Mouse COL3 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	119631316
NCBI GeneID	1281
Molecular Weight	111,907 Da
NCBI Official Full Name	collagen, type III, alpha 1 (Ehlers-Danlos syndrome type IV, autosomal dominant), isoform CRA_b
NCBI Official Synonym Full Names	collagen type III alpha 1
NCBI Official Symbol	COL3A1
NCBI Official Synonym Symbols	EDS4A
NCBI Protein Information	collagen alpha-1(III) chain
UniProt Protein Name	Collagen alpha-1(III) chain
UniProt Gene Name	COL3A1
UniProt Entry Name	CO3A1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/col3-mouse-elisa-kits/collagen-type-iii/100983>