

Rat Collagen Type III Alpha 1 (COL3a1) RTU ELISA Kit | COL3a1 rtu elisa kit

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CATALOG #
AAA69875

REACTIVITY
Rat

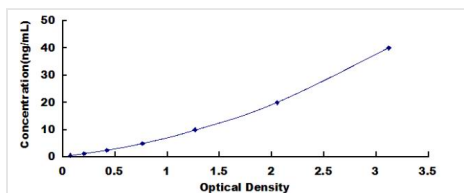
PRODUCT SYNONYMS

Collagen Type III Alpha 1 (COL3a1); Rat Collagen Type III Alpha 1 (COL3a1) ELISA Kit; COL3-A1; COL3A1; EDS4A; Collagen Type III Alpha 1; Ehlers-Danlos Syndrome Type IV Autosomal Dominant; Collagen Alpha-1(III)chain; COL3a1 rtu elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	1463
Assay Type	Sandwich
Samples	Serum, Plasma or Other Biological Fluids.
Detection Range	0.625-40ng/mL
Sensitivity	0.277ng/mL
RTU ELISA Kit's Advantage	The Ready-To-Use (RTU) Kits require fewer steps in setup and take less time to run. Detection Solutions are pre-diluted and total incubation time is shorter than many other ELISA Kits.
Preparation and Storage	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for COL3a1 rtu elisa kit

Test Principle: The microtiter plate provided in this kit has been pre-coated with an antibody specific to COL3a1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to COL3a1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain COL3a1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm $\pm$ 10nm. The concentration of COL3a1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	56711254
NCBI GeneID	84032
NCBI Accession #	NP_114474.1
NCBI GenBank Nucleotide #	NM_032085.1
UniProt Accession #	P13941; O70604; Q5PQT6
Molecular Weight	138,936 Da
NCBI Official Full Name	collagen alpha-1(III) chain
NCBI Official Synonym Full Names	collagen type III alpha 1 chain
NCBI Official Symbol	Col3a1
NCBI Protein Information	collagen alpha-1(III) chain
UniProt Protein Name	Collagen alpha-1(III) chain
UniProt Gene Name	Col3a1

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/rat-rtu-elisa-kits/collagen-type-iii-alpha-1-col3a1/69875>