

Rat Collagen Type I Alpha 1 (COL1a1) RTU ELISA Kit | COL1a1 rtu elisa kit

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CATALOG #
AAA69865

REACTIVITY
Rat

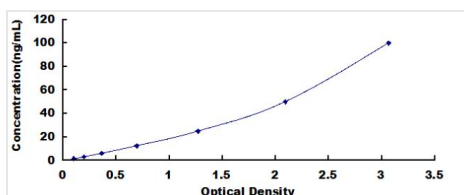
PRODUCT SYNONYMS

Collagen Type I Alpha 1 (COL1a1); Rat Collagen Type I Alpha 1 (COL1a1) ELISA Kit; COL-1A1; COL1-A1; COL1A-1; OI4; Collagen Alpha-1(I)chain; COL1a1 rtu elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	1453
Assay Type	Sandwich
Samples	Serum, Plasma, Tissue Homogenates or Other Biological Fluids.
Detection Range	1.56-100ng/mL
Sensitivity	0.61ng/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 COL1a1 rtu elisa kit

Test Principle: The microtiter plate provided in this kit has been pre-coated with an antibody specific to COL1a1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to COL1a1. 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 COL1a1, 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 COL1a1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	158711704
NCBI GeneID	29393
NCBI Accession #	NP_445756.1
NCBI GenBank Nucleotide #	NM_053304.1
UniProt Accession #	P02454; P02455; Q63079; A3KNA1
Molecular Weight	137,953 Da
NCBI Official Full Name	collagen alpha-1(I) chain
NCBI Official Synonym Full Names	collagen type I alpha 1 chain
NCBI Official Symbol	Col1a1
NCBI Official Synonym Symbols	COLIA1
NCBI Protein Information	collagen alpha-1(I) chain
UniProt Protein Name	Collagen alpha-1(I) chain
UniProt Gene Name	Col1a1

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-i-alpha-1-col1a1/69865>