

Rat collagen, type I, alpha 1 ELISA Kit | COL1A1 elisa kit

Rat Collagen alpha-1 (I) chain, COL1A1 ELISA Kit

CATALOG #
AAA79833

REACTIVITY
Rat

PRODUCT SYNONYMS

collagen; type I; alpha 1; Rat Collagen alpha-1 (I) chain; COL1A1 ELISA Kit; Rat Collagen alpha-1 (I) chain (COL1A1) ELISA kit; OI4; alpha 1 type I collagen; collagen alpha 1 chain type I; collagen of skin; tendon and bone; alpha-1 chain; pro-alpha-1 collagen type 1; COL1A1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of rat COL1A1. No significant cross-reactivity or interference between rat COL1A1 and analogues was observed.
Sequence Length	53
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, tissue homogenates
Detection Range	0.156 ng/ml-10 ng/ml
Sensitivity	< 0.039 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

ADDITIONAL INFORMATION

Related Product Information for COL1A1 elisa kit

Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for COL1A1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any COL1A1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for COL1A1 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of COL1A1 bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	115275
UniProt Accession #	P02456
Molecular Weight	4,988 Da
NCBI Official Full Name	Collagen alpha-1(I) chain
UniProt Protein Name	Collagen alpha-1(I) chain

UniProt Gene Name	COL1A1
UniProt Entry Name	CO1A1_RABIT

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://www.aaabiotech.com/col1a1-rat-elisa-kits/collagen-type-i-alpha-1/79833>