

Rat COL2a1 (Collagen Type II Alpha 1) ELISA Kit | COL2a1 elisa kit

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CATALOG #
AAA278598

REACTIVITY
Rat

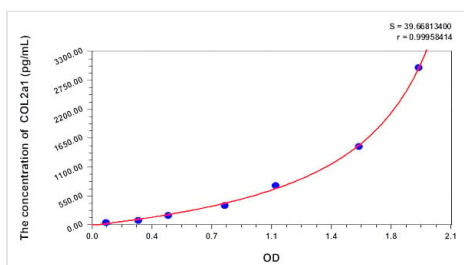
PRODUCT SYNONYMS

COL2a1 (Collagen Type II Alpha 1); Rat COL2a1 (Collagen Type II Alpha 1) ELISA Kit; COL2-A1; COL2A1; SEDC; Chondrocalcin; Collagen Alpha-1(II)Chain; Primary Osteoarthritis; Spondyloepiphyseal Dysplasia; Congenital; COL2a1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Assay Type	Sandwich
Samples	Serum, plasma and other biological fluids.
Detection Range	0.32-20ng/mL
Sensitivity	0.12ng/mL

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for COL2a1 elisa kit

Test Principle: The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Rat COL2a1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat COL2a1. 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 Rat COL2a1, 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 +/- 10nm. The concentration of Rat COL2a1 in the samples is then determined by comparing the OD of the samples to the standard curve.

Product Categories/Family for COL2a1 elisa kit

[Metabolic pathway](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	149032179
NCBI GeneID	25412

UniProt Accession #	P05539 ; Q63123 ; Q63565 ; Q78DY3
Molecular Weight	134,570 Da
NCBI Official Full Name	procollagen, type II, alpha 1, isoform CRA_c
NCBI Official Synonym Full Names	collagen, type II, alpha 1
NCBI Official Symbol	Col2a1
NCBI Official Synonym Symbols	CG2A1A; COL2A1
NCBI Protein Information	collagen alpha-1(II) chain; collagen alpha-1(II) chain; Procollagen II alpha 1; alpha-1 type II collagen; procollagen, type II, alpha 1; collagen type II (Col2A1) gene, enhancer region
UniProt Protein Name	Collagen alpha-1(II) chain
UniProt Gene Name	Col2a1
UniProt Entry Name	CO2A1_RAT

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://www.aaabiotech.com/rat-elisa-kits/col2a1-collagen-type-ii-alpha-1/278598>