

Rat COL2alpha1 ELISA Kit | COL2alpha1 elisa kit

Rat COL2alpha1 (Collagen Type II Alpha 1) ELISA Kit

CATALOG #
AAA165905

REACTIVITY
Rat

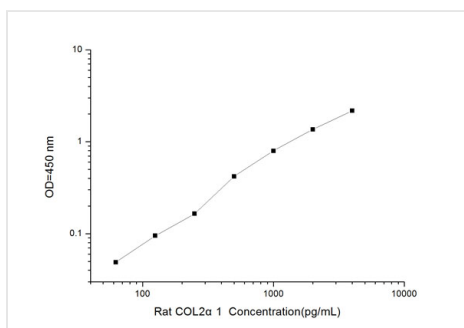
PRODUCT SYNONYMS

COL2alpha1; Rat COL2alpha1 (Collagen Type II Alpha 1) ELISA Kit; COL2alpha1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This kit recognizes natural and recombinant Rat COL2alpha1. No significant cross-reactivity or interference between Rat COL2alpha1 and analogues was observed.
Sequence Length	1419
Samples	Serum, Plasma, Biological Fluids
Assay Type	Sandwich
Detection Range	62.5-4000pg/mL
Sensitivity	Min: 37.5pg/mL; Max: 4000pg/mL
Intended Uses	This ELISA kit applies to the in vitro quantitative determination of Rat COL2alpha1 concentrations in serum, plasma and other biological fluids.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for COL2alpha1 elisa kit	Principle of the assay: This ELISA kit uses Sandwich-ELISA as the method. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to COL2alpha1. Standards or samples are added to the appropriate micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for COL2alpha1 and Avidin-Horseradish Peroxidase (HRP) conjugate is added to each micro plate well successively and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain COL2alpha1, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The OD value is proportional to the concentration of COL2alpha1. You can calculate the concentration of COL2alpha1 in the samples by comparing the OD of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6978677
NCBI GeneID	25412
NCBI Accession #	NP_037061.1
NCBI GenBank Nucleotide #	NM_012929.1
Molecular Weight	134,570 Da
NCBI Official Full Name	collagen alpha-1(II) chain
NCBI Official Synonym Full Names	collagen, type II, alpha 1
NCBI Official Symbol	Col2a1
NCBI Official Synonym Symbols	CG2A1A; COLLII
NCBI Protein Information	collagen alpha-1(II) chain; collagen alpha-1(II) chain; Procollagen II alpha 1; alpha-1 type II collagen; collagen type II (Col2A1) gene, enhancer region; procollagen, type II, alpha 1
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.