

Mouse COL2 ELISA Kit | COL2 elisa kit

Mouse COL2 (Collagen Type II) ELISA Kit

CATALOG #
AAA21693

REACTIVITY
Mouse

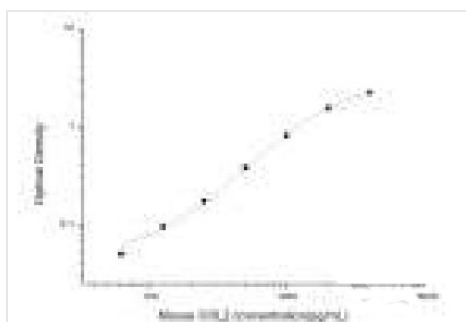
PRODUCT SYNONYMS

COL2; Mouse COL2 (Collagen Type II) ELISA Kit; COL2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This kit recognizes Mouse COL2 in samples. No significant cross-reactivity or interference between Mouse COL2 and analogues was observed
Sequence Length	1487
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	62.5-4000 pg/mL
Sensitivity	37.5 pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Mouse COL2 were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Mouse COL2 were tested on 3 different plates, 20 replicates in each plate, respectively.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for COL2 elisa kit	Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Mouse COL2. Samples (or Standards) are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Mouse COL2 and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Mouse COL2, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 ± 2 nm. The OD value is proportional to the concentration of Mouse COL2. You can calculate the concentration of Mouse COL2 in the samples by comparing the OD of the samples to the standard curve. Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Mouse COL2 concentrations in serum, plasma and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	166064040
NCBI GeneID	12824
NCBI Accession #	NP_112440.2
NCBI GenBank Nucleotide #	NM_031163.3
UniProt Accession #	P28481; Q61428; Q62031; Q62032; Q62033; Q641K3; Q6LDB1; Q6LDI8; Q6LDI9; Q80VY3; Q80X38; Q8CEF7
Molecular Weight	134,722 Da
NCBI Official Full Name	collagen alpha-1(II) chain isoform 1
NCBI Official Synonym Full Names	collagen, type II, alpha 1
NCBI Official Symbol	Col2a1
NCBI Official Synonym Symbols	Dmm; Lpk; Col2; Del1; Col2a; Col2a-1; M100856; Rgsc856
NCBI Protein Information	collagen alpha-1(II) chain; collagen alpha-1(II) chain; alpha-1 type II collagen; chondrocalcin; disproportionate micromelia; procollagen, type II, alpha 1
UniProt Protein Name	Collagen alpha-1(II) chain
UniProt Gene Name	Col2a1
UniProt Entry Name	CO2A1_MOUSE

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.