

## Product Datasheet

# Rat Collagen Type I Alpha 2 (COL1 $\alpha$ 2) ELISA Kit (orb1949458)

**Catalog Number** orb1949458

**Category** Assays and Kits

**Description** Rat Collagen Type I Alpha 2 (COL1 $\alpha$ 2) ELISA Kit

**Target** COL1 $\alpha$ 2

**Reactivity** Rat

**UniProt ID** **P02466**

**Application notes** 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 Rat COL1 $\alpha$ 2. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Rat COL1 $\alpha$ 2 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 Rat COL1 $\alpha$ 2, 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 nm  $\pm$  2 nm. The OD value is proportional to the concentration of Rat COL1 $\alpha$ 2. You can calculate the concentration of Rat COL1 $\alpha$ 2 in the samples by comparing the OD of the samples to the standard curve.

**Assay Type** Sandwich

**Assay Time** 3.5H

**Standard** 10ng/mL

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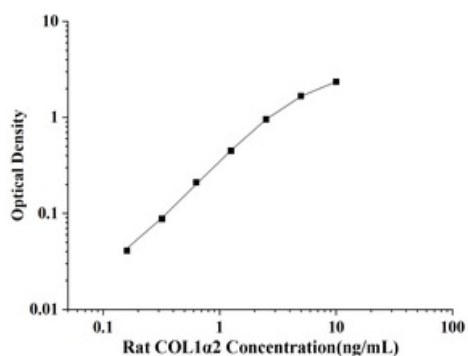
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<b>Range</b>	0.16-10ng/mL
<b>Sensitivity</b>	0.1 ng/mL
<b>Sample Types</b>	serum, plasma, Tissue homogenate and Other biological samples
<b>Note</b>	For research use only
<b>Expiration Date</b>	6 months from date of receipt.

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