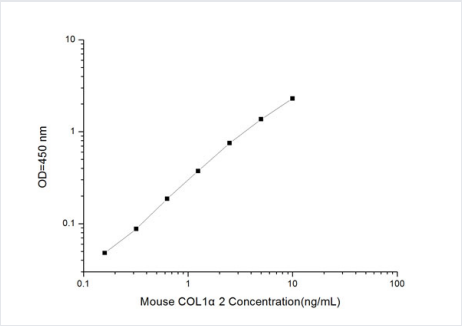
Col1alpha2 ELISA Kit for Mouse

PRODUCT OVERVIEW

Product Name	COL1alpha2, ELISA Kit
Full Product Name	Mouse COL1alpha2 (Collagen Type I Alpha 2) ELISA Kit
Product Gene Name	COL1alpha2 elisa kit
Species Reactivity	Mouse
Assay Type	Sandwich
Samples	Serum, Plasma, Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	Min: 0.094ng/mL; Max: 10ng/mL
Specificity	This assay has high sensitivity and excellent specificity for detection of Mouse COL1alpha2. No significant cross-reactivity or interference between Mouse COL1alpha2 and analogues was observed. Note: Limited by current skills and knowledge, it is impossible for us to complete the cross- reactivity detection between Mouse COL1alpha2 and all the analogues, therefore, cross reaction may still exist.
Preparation and Storage	Store at 4 degree C.
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for COL1alpha2 elisa kit	**Description:** The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of COL1alpha2 in Mouse serum, plasma and other biological fluids **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 Mouse COL1alpha2. Standards or samples are added to the appropriate micro ELISA plate wells and bound by the specific antibody. Then a biotinylated detection antibody specific for Mouse COL1alpha2 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 Mouse COL1alpha2, 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 Mouse COL1alpha2. You can calculate the concentration of Mouse COL1alpha2 in the samples by comparing the OD of the samples to the standard curve.
Other Notes	Small volumes of COL1alpha2 elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for COL1alpha2 purchase	MBS2510922 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the COL1alpha2, ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing COL1alpha2. The ELISA analytical biochemical technique of the MBS2510922 kit is based on COL1alpha2 antibody-COL1alpha2 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect COL1alpha2 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, COL1alpha2. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).



Typical Testing Data/Standard Curve (for reference only) of COL1alpha2 elisa kit

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

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Online datasheet: https://www.mybiosource.com/mouse-elisa-kits/col1alpha2/2510922