003216589045 (EU)
0203393 8531 (UK)
(408)780-0908 (US)
info@gentaur.com
www.caslab.com

Mouse COL12 (Collagen Type Alpha 2) ELISA Kit

Cat #: G-EC-04260

Species: Mouse

Sensitivity: 0.09ng/mL

Type: Sandwich

Range: 0.16~10ng/mL

Detection: Colormetric

Duration: 3.5h

Principle:
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 COL12. 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 COL12 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 COL12, 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 COL12. You can calculate the concentration of Mouse COL12 in the samples by comparing the OD of the samples to the standard curve.

Specificity:
This kit recognizes Mouse COL12 in samples. No significant cross-reactivity or interference between Mouse COL12 and analogues was observed.

UniProt ID: Q01149

Gene: COL12

Synonyms: COL1A2, OI4

Specimen: Serum, plasma and other biological fluids

Application: This ELISA kit applies to the in vitro quantitative determination of Mouse COL12 concentrations in Serum, plasma and other biologic

Research Areas: Cancer, Signal transduction, Stem cells

Storage:
An unopened kit can be stored at 2-8°C for 1 month. If the kit is not supposed to be used within 1 month, store the items separately according to the storage table in the manual once the kit is received.