Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

ELISA Kit for Collagen Type IX Alpha 1 (COL9a1)

Catalog No: tcue2499

Available Sizes

Size: 96T

Specifications

Research Area:
Metabolic pathway;Ophthalmology & Otorhinolaryngology;Developmental science;Nutrition metabolism;Rheumatology;Autoimmunity;

Species Reactivity:
Rattus norvegicus (Rat)

Sample Type:
Tissue homogenates and other biological fluids.

Sensitivity:
The minimum detectable dose of this kit is typically less than 0.58ng/mL

Detection Range:
1.56-100ng/mL

Assay Time:
3h

Detection Method:
Enzyme-linked immunosorbent assay for Antigen Detection.

Tested Application:
ELISA

SwissProt:
P20850

Test Principle

Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Collagen Type IX Alpha 1 (COL9a1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Collagen Type IX Alpha 1 (COL9a1). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Collagen Type IX Alpha 1 (COL9a1), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Collagen Type IX Alpha 1 (COL9a1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.