Web: www.taiclone.com
Tel: +886-2-2735-9682
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ELISA Kit for Calcium Channel, Voltage Dependent, L-Type, Alpha 1D Subunit (CACNa1D)

Catalog No: tcue3594

Available Sizes

Size: 96T

Specifications

Research Area:
Signal transduction;

Species Reactivity:
Homo sapiens (Human)

Sample Type:
Tissue homogenates and other biological fluids.

Sensitivity:
The minimum detectable dose of this kit is typically less than 0.121ng/mL

Detection Range:
0.312-20ng/mL

Assay Time:
3h

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

Tested Application:
ELISA

SwissProt:
Q01668

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Test Principle

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 Calcium Channel, Voltage Dependent, L-Type, Alpha 1D Subunit (CACNa1D). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Calcium Channel, Voltage Dependent, L-Type, Alpha 1D Subunit (CACNa1D). 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 Calcium Channel, Voltage Dependent, L-Type, Alpha 1D Subunit (CACNa1D), 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 Calcium Channel, Voltage Dependent, L-Type, Alpha 1D Subunit (CACNa1D) in the samples is then determined by comparing the O.D. of the samples to the standard curve.