

## Human CACNa1D (Calcium Channel, Voltage Dependent, L-Type, alpha 1D Subunit) ELISA kit

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This kit applies sandwich ELISA method for the quantitative detection of CACNa1D (Calcium Channel, Voltage Dependent, L-Type, alpha 1D Subunit) in human samples. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Human CACNa1D. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human 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 Human 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  $\pm$ 10nm. The concentration of Human CACNa1D in the samples is then determined by comparing the OD of the samples to the standard curve.

Catalog No.	3013707
Size	96-Wells
Product Category	ELISA (Quantitative)
Reactivity	Human
Sample	Tissue Homogenates; Other Biological Fluids
Assay Method	Sandwich ELISA
Assay Duration	3.5 hours
Sensitivity	0.121 ng/mL
Standard Curve Range	0.32-20 ng/mL
Storage/Stability	-20°C/1 year; 4°C/6 months

