



Rat Pituitary Adenylate Cyclase Activating Polypeptide 38 (PACAP-38) Rapid ELISA kit

This Rapid ELISA kit applies Competitive Inhibition enzyme immunoassay technique for the quantitative detection. The micro ELISA plate provided in this kit has been pre-coated with Rat PACAP-38. During the reaction, Rat PACAP-38 in the sample or standard competes with a fixed amount of Rat PACAP-38 on the solid phase supporter for sites on the Biotinylated Detection Ab specific to Rat PACAP-38. Excess conjugate and unbound sample or standard are washed away, and Avidin-Horseradish Peroxidase (HRP) conjugate are added to each micro plate well and incubated. Then a TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns from blue to yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of $450\text{ nm} \pm 2\text{ nm}$. The concentration of Rat PACAP-38 in tested samples can be calculated by comparing the OD of the samples to the standard curve.

Catalog No.	3542461
Size	96-Well Tests
Product Category	Rapid ELISA
Reactivity	Rat
Sample	Serum; Plasma; Tissue Homogenate; Other Biological Samples
Assay Method	Competitive Inhibition ELISA
Assay Duration	45 min
Sensitivity	4.69 pg/mL
Standard Curve Range	7.82-500 pg/mL
Storage/Stability	-20°C/1 year; 4°C/6 months

