

Datasheet for ABIN2042779
ADCY5 ELISA Kit



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Overview

Quantity:	96 tests
Target:	ADCY5
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	0.31-20 ng/mL
Minimum Detection Limit:	0.31 ng/mL
Application:	ELISA

Product Details

Brand:	BioAssay™
Detection Method:	Colorimetric
Sensitivity:	< 0.124 ng/mL

Target Details

Target:	ADCY5
Abstract:	ADCY5 Products
Pathways:	EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Thyroid Hormone Synthesis , cAMP Metabolic Process , Myometrial Relaxation and Contraction , G-protein mediated Events , Interaction of EGFR with phospholipase C-gamma

Application Details

Plate: Pre-coated

Protocol: Adenylate Cyclase 5 (ADCY5) BioAssay-ELISA Kit (Human) is a Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Adenylate Cyclase 5 (ADCY5). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Adenylate Cyclase 5 (ADCY5). 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 Adenylate Cyclase 5 (ADCY5), 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 $450\text{nm} \pm 10\text{nm}$. The concentration of Adenylate Cyclase 5 (ADCY5) in the samples is then determined by comparing the O.D. of the samples to the standard curve.

Restrictions: For Research Use only

Handling

Storage: 4 °C/-20 °C