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Product Datasheet

Human Calcium/Calmodulin-Dependent Protein Kinase II Alpha (CAMK2alpha) ELISA Kit BYT-ORB1949771

Article Name	Human Calcium/Calmodulin-Dependent Protein Kinase II Alpha (CAMK2alpha) ELISA Kit
Biozol Catalog Number	BYT-ORB1949771
Supplier Catalog Number	orb1949771
Alternative Catalog Number	BYT-ORB1949771-48, BYT-ORB1949771-96
Manufacturer	Biorbyt
Category	Kits/Assays
Species Reactivity	Human
Product Description	Human Calcium/Calmodulin-Dependent Protein Kinase II Alpha (CAMK2alpha) ELISA Kit...
Range	0.16-10ng/mL
Sensitivity	0.1 ng/mL
UniProt	Q9UQM7
Samples	Tissue homogenate
Target	CAMK2alpha

Application Notes

Application Notes: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Human CAMK2alpha. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Human CAMK2alpha and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Human CAMK2alpha, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm \pm 2 nm. The OD value is proportional to the concentration of Human CAMK2alpha. You can calculate the concentration of Human CAMK2alpha in the samples by comparing the OD of the samples to the standard curve