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Product Datasheet

Rat GLUT4(Glucose Transporter 4) ELISA Kit EBT-ELK5796

Article Name	Rat GLUT4(Glucose Transporter 4) ELISA Kit
Biozol Catalog Number	EBT-ELK5796
Supplier Catalog Number	ELK5796
Alternative Catalog Number	EBT-ELK5796-96, EBT-ELK5796-48, EBT-ELK5796-96X5
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Rat
Concentration	10 ng/mL
Range	0.16-10 ng/mL
Sensitivity	0.061 ng/mL
UniProt	P19357
Samples	tissue homogenates, cell lysates, cell culture supernates and other biological fluids

Application Notes

Assay Type: Sandwich. Assay length: 3.5h. Research Area: Signal transduction, Metabolic pathway, Endocrinology, Cardiovascular biology, . 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 Rat GLUT4. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat GLUT4. 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 Rat GLUT4, 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 Rat GLUT4 in the samples is then determined by comparing the OD of the samples to the standard curve