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Product Datasheet

Rat SGLT1(Sodium/Glucose Cotransporter 1) ELISA Kit EBT-ELK0010

Article Name	Rat SGLT1(Sodium/Glucose Cotransporter 1) ELISA Kit
Biozol Catalog Number	EBT-ELK0010
Supplier Catalog Number	ELK0010
Alternative Catalog Number	EBT-ELK0010-96, EBT-ELK0010-48, EBT-ELK0010-96X5
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Rat
Concentration	10 ng/mL
Range	0.16-10 ng/mL
Sensitivity	0.056 ng/mL
UniProt	P53790
Samples	Tissue homogenates and other biological fluids.

Application Notes

Assay Type: Sandwich. Assay length: 3.5h. Research Area: Metabolic pathway,. 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 SGLT1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat SGLT1. 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 SGLT1, 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 SGLT1 in the samples is then determined by comparing the OD of the samples to the standard curve