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## Product Datasheet

### Rat AKR1B1 (Aldose Reductase) ELISA Kit EBT-ELK0750

Article Name	Rat AKR1B1 (Aldose Reductase) ELISA Kit
Biozol Catalog Number	EBT-ELK0750
Supplier Catalog Number	ELK0750
Alternative Catalog Number	EBT-ELK0750-96, EBT-ELK0750-48, EBT-ELK0750-96X5
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Rat
Concentration	20 ng/mL
Range	0.32-20 ng/mL
Sensitivity	0.14 ng/mL
UniProt	<a href="#">P07943</a>
Samples	Serum, plasma, tissue homogenates and other biological fluids.

Application Notes

Assay Type: Sandwich. Assay length: 3.5h. Research Area: Enzyme & Kinase,. 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 AKR1B1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat AKR1B1. 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 AKR1B1, 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 AKR1B1 in the samples is then determined by comparing the OD of the samples to the standard curve