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## Product Datasheet

### Rat SOX2(Sex Determining Region Y Box Protein 2) ELISA Kit EBT-ELK2978

Article Name	Rat SOX2(Sex Determining Region Y Box Protein 2) ELISA Kit
Biozol Catalog Number	EBT-ELK2978
Supplier Catalog Number	ELK2978
Alternative Catalog Number	EBT-ELK2978-96, EBT-ELK2978-48, EBT-ELK2978-96X5
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Rat
Concentration	10 ng/mL
Range	0.16-10 ng/mL
Sensitivity	0.063 ng/mL
Samples	Tissue homogenates, cell lysates and other biological fluids.

Application Notes

Assay Type: Sandwich. Assay length: 3.5h. Research Area: Reproductive science, Developmental science,. 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 SOX2. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat SOX2. 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 SOX2, 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 SOX2 in the samples is then determined by comparing the OD of the samples to the standard curve