

Rat Superoxide Dismutase 3, Extracellular (SOD3) Rapid ELISA kit

This Rapid ELISA kit applies Competitive Inhibition enzyme immunoassay technique for the quantitative detection. The micro ELISA plate provided in this kit has been pre-coated with Rat SOD3. During the reaction, Rat SOD3 in the sample or standard competes with a fixed amount of Rat SOD3 on the solid phase supporter for sites on the Biotinylated Detection Ab specific to Rat SOD3. Excess conjugate and unbound sample or standard are washed away, and Avidin-Horseradish Peroxidase (HRP) conjugate are added to each micro plate well and incubated. Then a TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns from blue to yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of $450\text{ nm} \pm 2\text{ nm}$. The concentration of Rat SOD3 in tested samples can be calculated by comparing the OD of the samples to the standard curve.

Catalog No.	3542412
Size	96-Well Tests
Product Category	Rapid ELISA
Reactivity	Rat
Sample	Serum; Plasma; Tissue Homogenate; Other Biological Samples
Assay Method	Competitive Inhibition ELISA
Assay Duration	45 min
Sensitivity	0.1 ng/mL
Standard Curve Range	0.16-10 ng/mL
Storage/Stability	-20°C/1 year; 4°C/6 months

