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## Product Datasheet

### **Rat Superoxide Dismutase 4, Copper Chaperone (SOD4) ELISA Kit BYT-ORB1946799**

Artikelname	Rat Superoxide Dismutase 4, Copper Chaperone (SOD4) ELISA Kit
Artikelnummer	BYT-ORB1946799
Hersteller Artikelnummer	orb1946799
Alternativnummer	BYT-ORB1946799-48,BYT-ORB1946799-96
Hersteller	Biorbyt
Kategorie	Kits/Assays
Spezies Reaktivität	Rat
Produktbeschreibung	Rat Superoxide Dismutase 4, Copper Chaperone (SOD4) ELISA Kit...
Detektionsbereich	0.16-10ng/mL
Sensitivitaet	0.1 ng/mL
Proben	serum, plasma, Tissue homogenate and Other biological samples
Target-Kategorie	SOD4

Anwendungsbeschreibung

Application Notes: This ELISA kit uses the Competitive-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with Rat SOD4. During the reaction, Rat SOD4 in the sample or standard competes with a fixed amount of Rat SOD4 on the solid phase supporter for sites on the Biotinylated Detection Ab specific to Rat SOD4. 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 nm  $\pm$  2 nm. The concentration of Rat SOD4 in tested samples can be calculated by comparing the OD of the samples to the standard curve